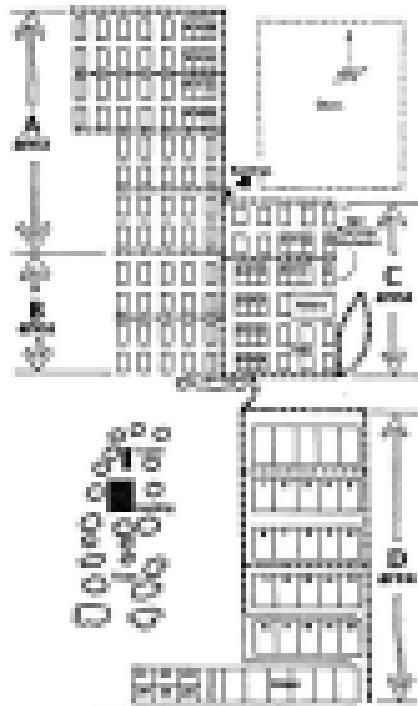




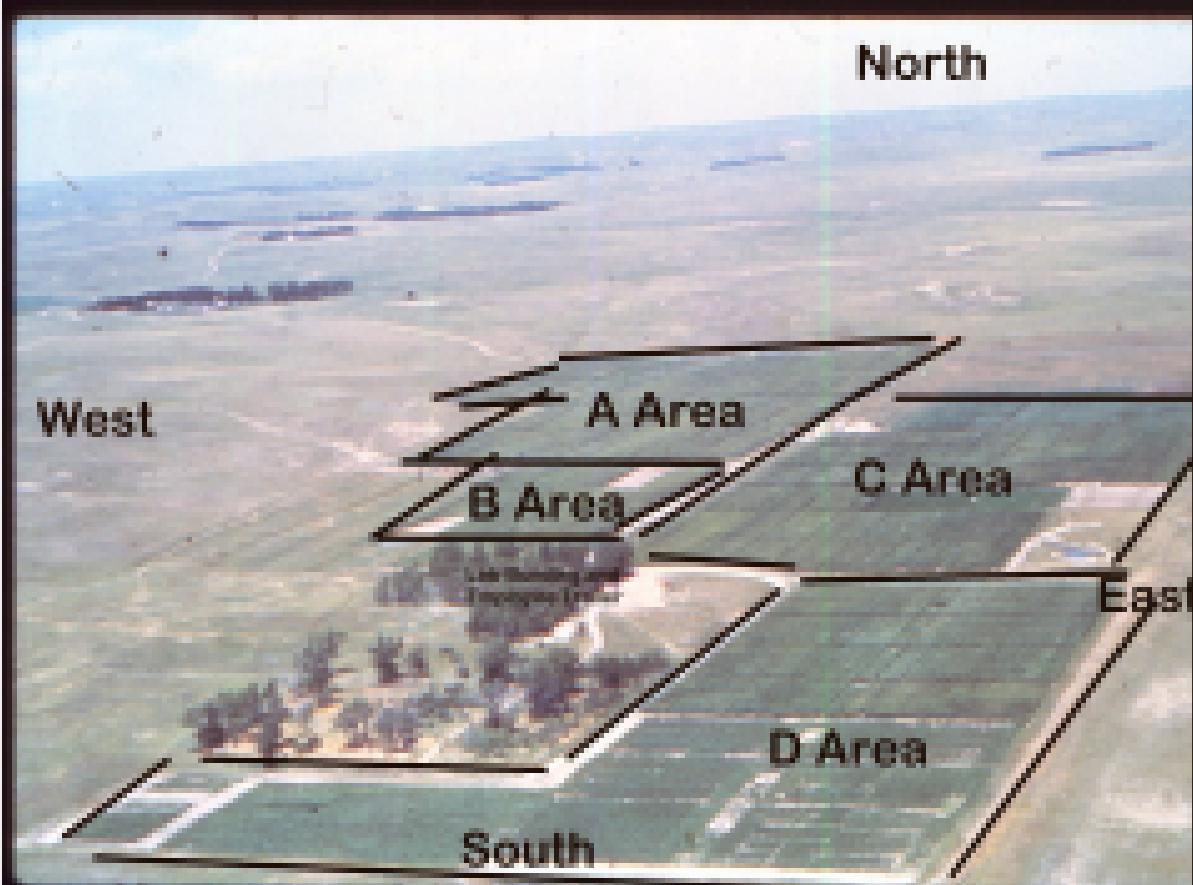
July 26, 1970 - The Sandhills Agricultural Lab, near North Platte. Photo taken by Bronson. This is where Bronson worked on his Masters and PhD. The work area, office and female employee trailer were located in the clump of trees in the right center of the photo.



July 26, 1979 - The Sandhills Agricultural Lab, near North Platte. Photo taken by Bronson. This is where Bronson worked on his Masters and Ph.D. The work areas, office and bedside employee trailer were located in the clump of trees in the lower center of the photo. The main housing was in the trees in the upper left of the photo.



Field and Irrigation areas of the Sandhills Agricultural Laboratory shooting plot locations.



July 26, 1970 - The Sandhills Agricultural Lab, near North Platte. Photo taken by Bronson. This is where Bronson worked on his Masters and Ph. D. The work area, office and female employee trailer were located in the clump of trees in the lower center of the photo. The male housing was in the trees in the upper left of the photo.



1983 - Looking East.
C area (distance), C area (foreground)
A area (to the left), D area (behind the trees)















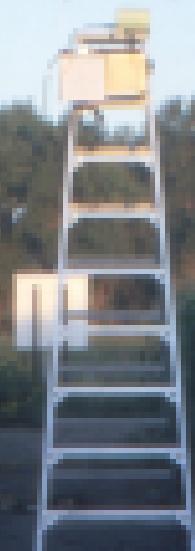




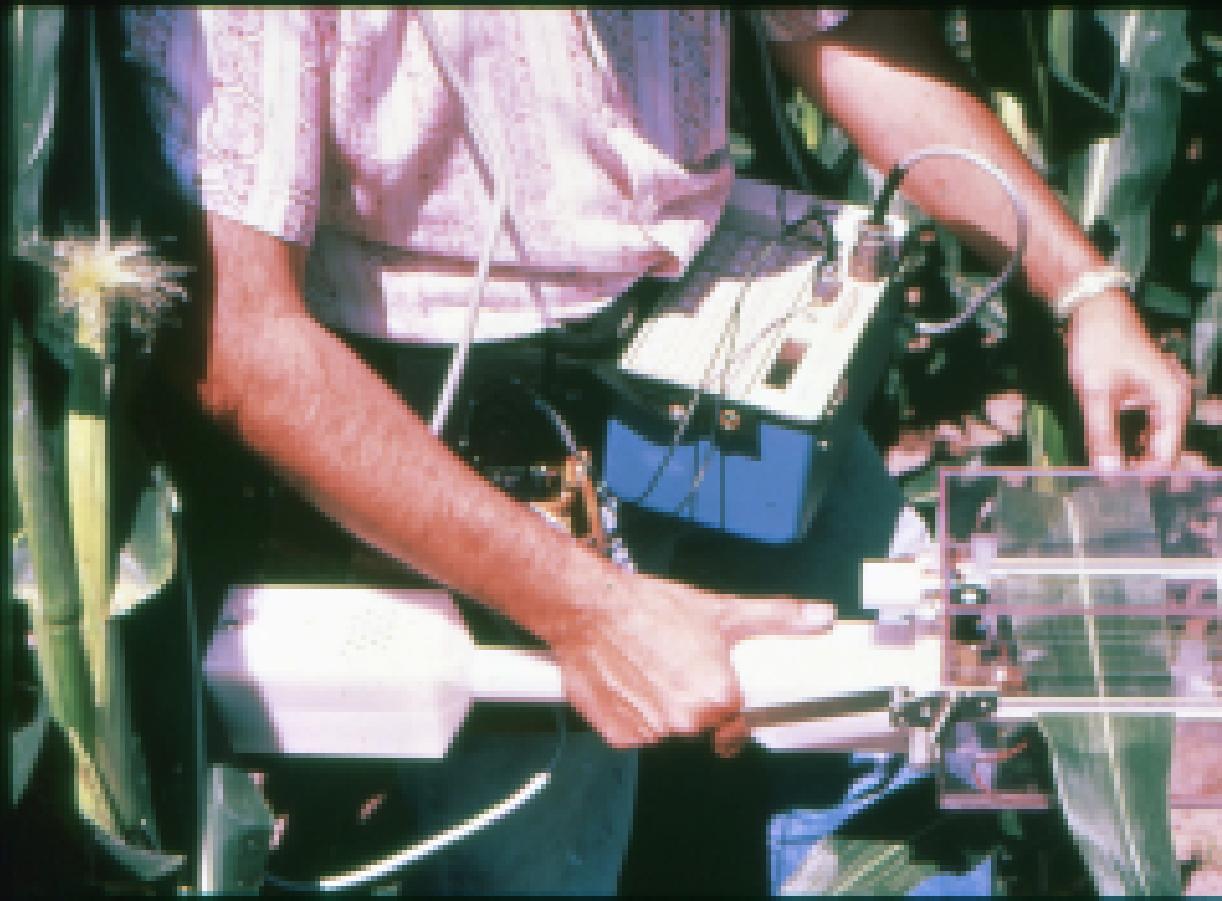








1978 August 22 Bronson's ladder, with the infrared thermometer on top.









1979 August 8. "D" area. Grossman's research plots.
Note the gradient in height, caused by water stress.











July 18, 1978. Rob and John using the pressure bombs on corn.
Sandhills Agricultural Lab, Univ. of Nebraska, near North Platte.





June 13, 1978. Looking east from G area
Bromusina's crop.
Sandhills Agricultural Lab, near North Platte, Nebraska



June 19, 1978. Looking north from the south part of Caneo.
Bronson's Research ladder is visible in the center of the photo.
Sandhills Agricultural Lab, near North Platte, Nebraska



June 13, 1978. Looking north. The trees to the west of the southern part of B area.
Sandhills Agricultural Lab, near North Platte, Nebraska



June 13, 1978. Looking north. The road separating D area (on the right) and C area (straight ahead) is visible just behind the tractor.
Sandhills Agricultural Lab, near North Platte, Nebraska





1979 June 18. Plot 92, looking east.
Sandhills Agricultural Lab, near North Platte, Nebraska



1978 June 13. Plot 22, looking east
Sandhills Agricultural Lab, near North Platte, Nebraska



1978 June 11 Plot 2A, looking south - Geringham
Sandhills Agricultural Lab, near North Platte, Nebraska



1973 June 3 - Breeson's Research Ladder
Sandhills Agricultural Lab, near North Platte, Nebraska











1979 - Bronson taking infrared thermometer readings at the
Sandhills Agricultural Lab, near North Platte (Univ of Nebraska).



1970 - Bremeson taking infrared thermometer readings at the
Sandhills Agricultural Lab, near North Platte (Univ of Nebraska)





1979 August 8. The weather station, looking south. The area with the trees is where our office building and employee trailer was located.



1979 August 8. The weather station, looking east.





1979 August 8. The irrigation pump, looking south. The trees in the distance are where our office and employee trailer was located.







1979 August 8. The "W" area windmill, looking west.





1979 August 8. Broomcorn making thermal measurements
"D" area. Sandhills Agricultural Laboratory, near North Platte.





June 1991 - Preparing the instruments



Polyeters used for electronically recording data

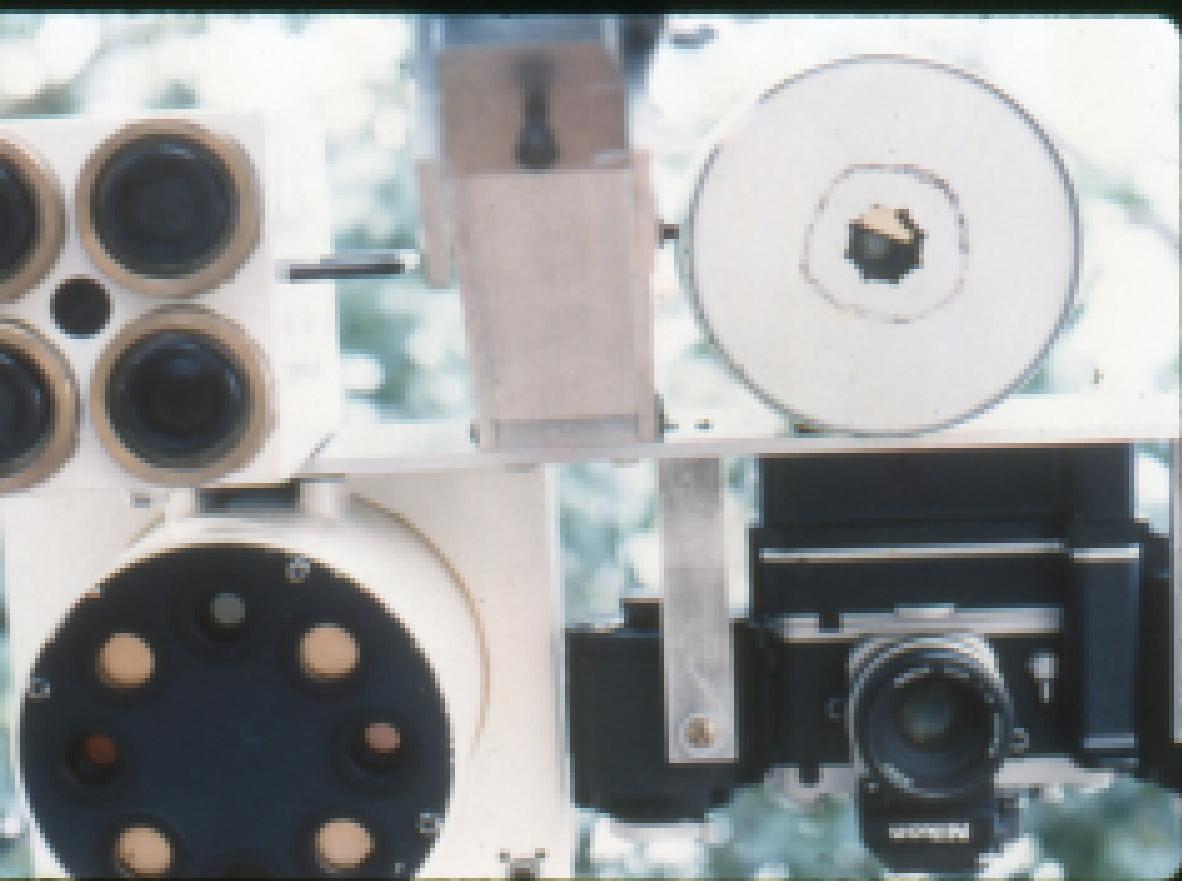


June 1981 - Dawson at the Sand Hills Agricultural Lab



June 1951 - Chalmers Bowditch - Bronson's Ph.D. advisor, Univ. of Nebraska

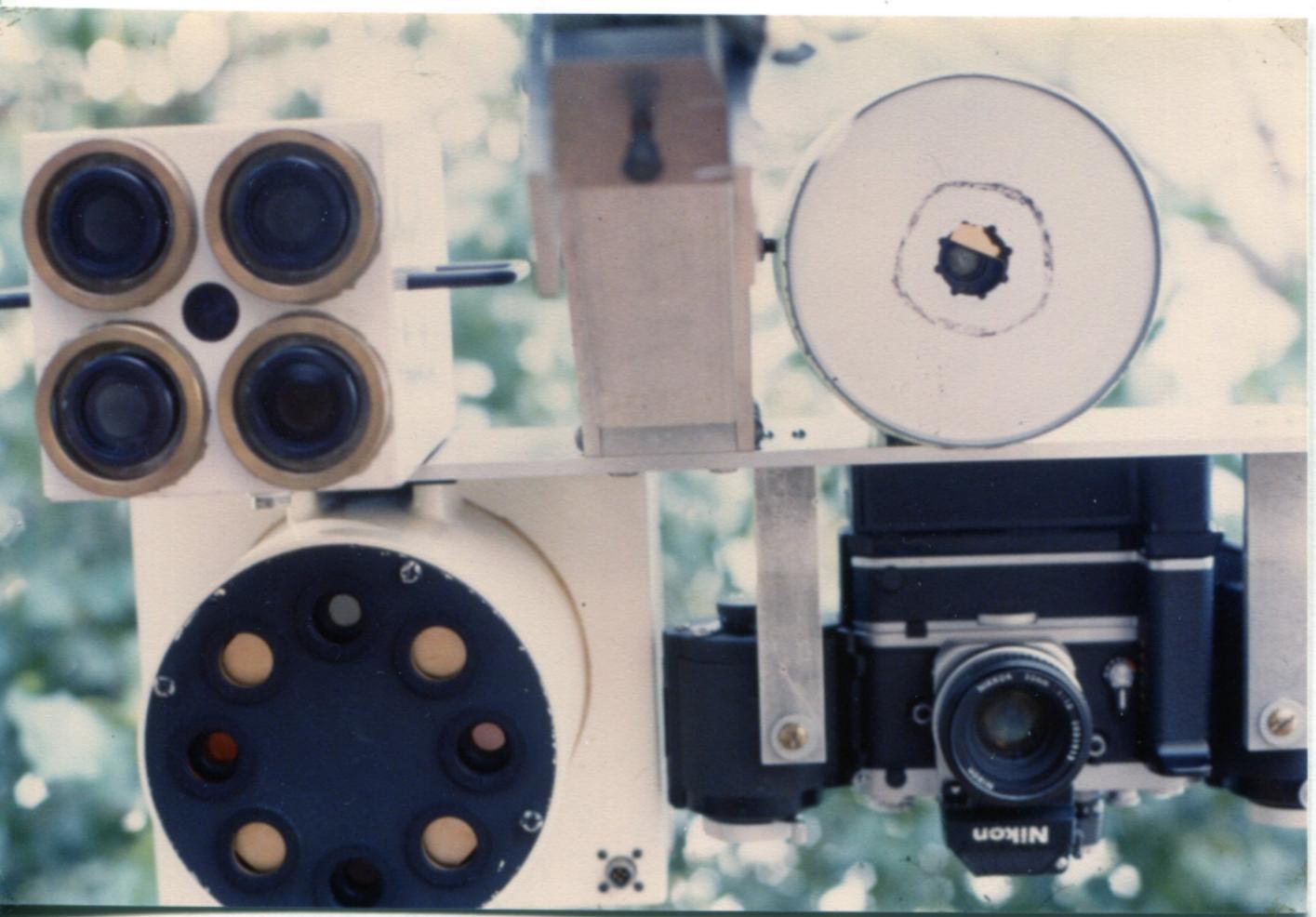
Bronson's Satellite Simulation equipment
4 channel, 8 channel, Infrared thermometry, 35 mm Nikon cameras



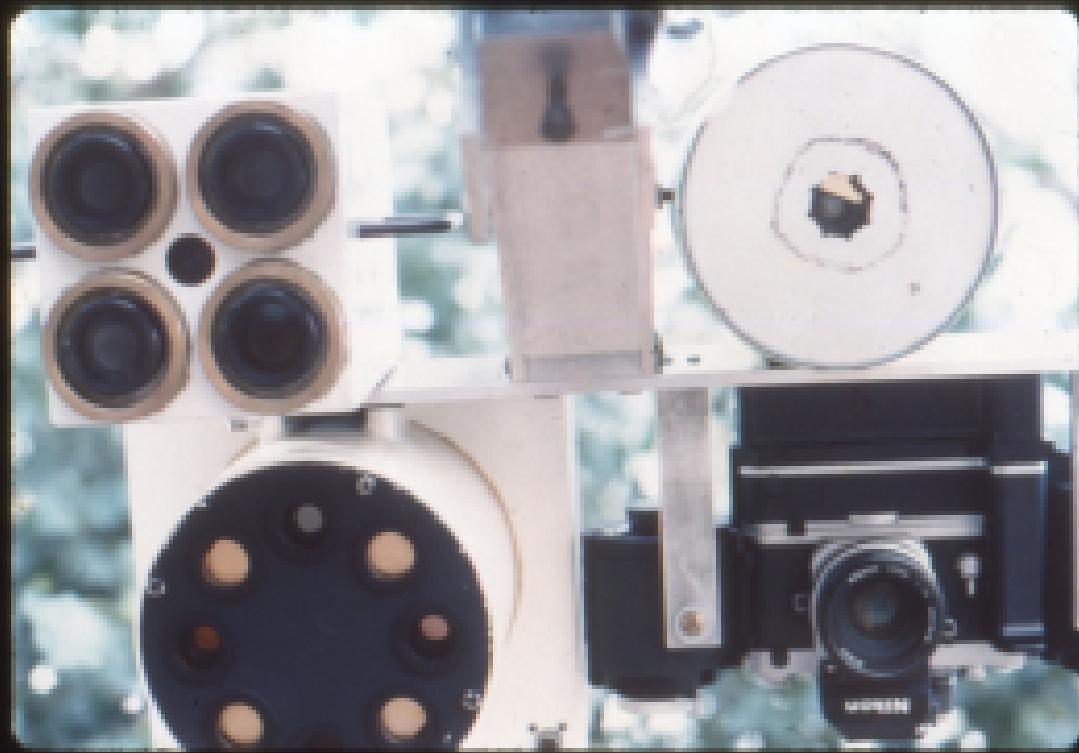








Bronson's Satellite Simulation equipment
4 channel, 8 channel, Infrared thermometer, 35 mm Nikon camera.





Adjusting the instruments





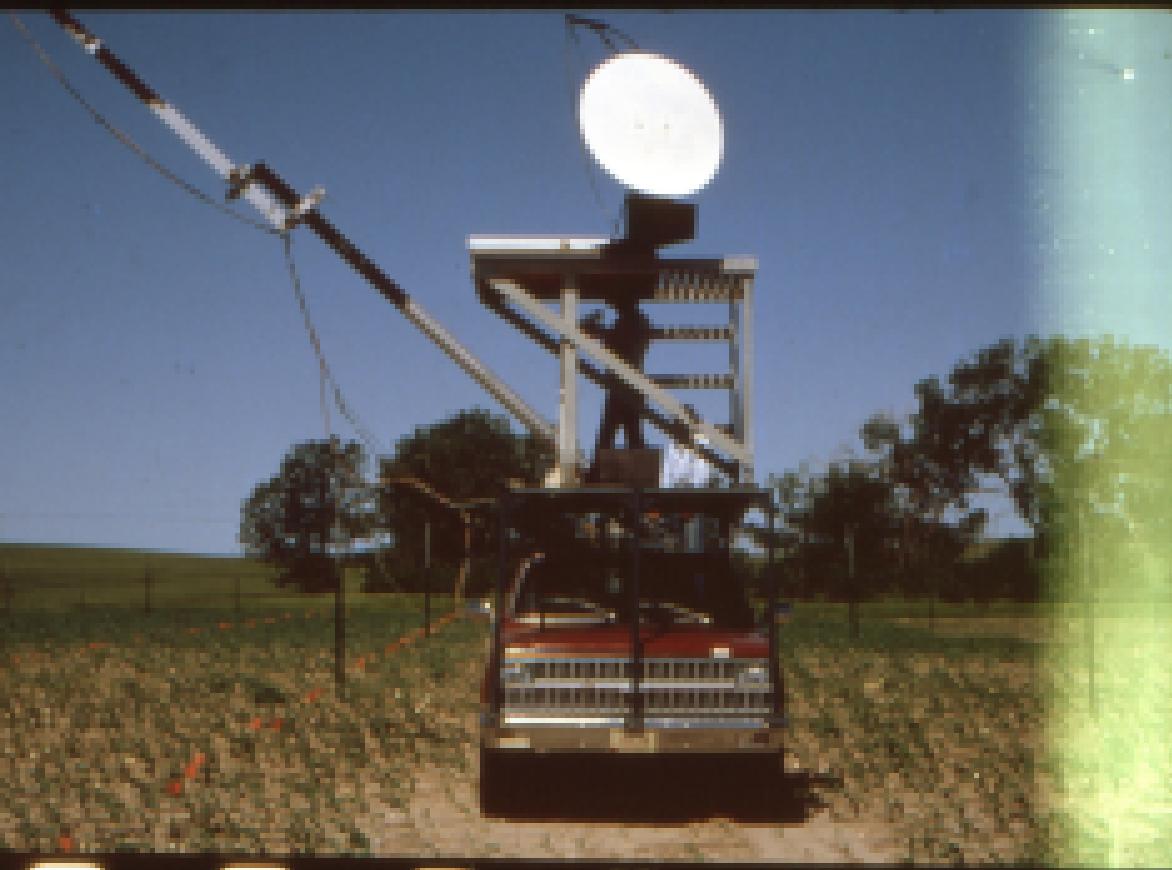
1963: Benson Gardner, (solid on top) preparing for calibration
Sandhill Agricultural Laboratory, near North Platte, Nebraska



1981 - June Bronson operating the instrument boom.



1981 - June Bronson operating the instrument boom.



1981 Brasson taking research data
Sandhill Agricultural Laboratory, near North Platte, Nebraska.





Bronson's Ph.D. research project. Blaine Blad on top of the truck.
Bronson is driving.



August 1981 - Bronson's research truck. Blaine Blad on top, using an infrared thermometer. Bronson, driving the truck and controlling the data recorder.





August 1991 - Campbell Weather Station - "D" Area
Sandhills Agricultural Lab, near Byron Nebraska



August 1982. Field Lab building is on the right. Temporary work trailer on the left. Sandhills Ag Lab, near North Platte.



August 1982. Field Lab building is on the right. Temporary work trailer on the left. Sandhills Ag Lab, near North Platte.





June 10, Mike -- a high school math teacher
The Sandhills Laboratory building is in the background.





June 19, 1980: Taking spectral measurements. - Blaine Blad is on top, making adjustments. Sandhills Agricultural Lab - Bronson's "D" area. - Cindy Hayes is driving.



June 10, 1988 Howard Bryant - Taking measurements
Sandhills Agricultural Lab - Bronson's "D" area.



June 1991 - Branson at the controls of the boom on the truck.



June 10, 1980 Bronson is starting to put instruments on the boom truck. The Sandhills Laboratory building is in the background.





A, B, and C areas as seen, looking east. The tractor shed is in the left, middle of the photo.
Sandhills Agricultural Laboratory



May 1982. Taking measurements. Prairie Park operating the boom.
Saskatoon Agricultural Laboratory, near North Park.



1988. The Lub building, and Cindy Hoy's dog, Roamer. The employee trailer is to the right, Shoshone Agricultural Laboritory, near North Platte.

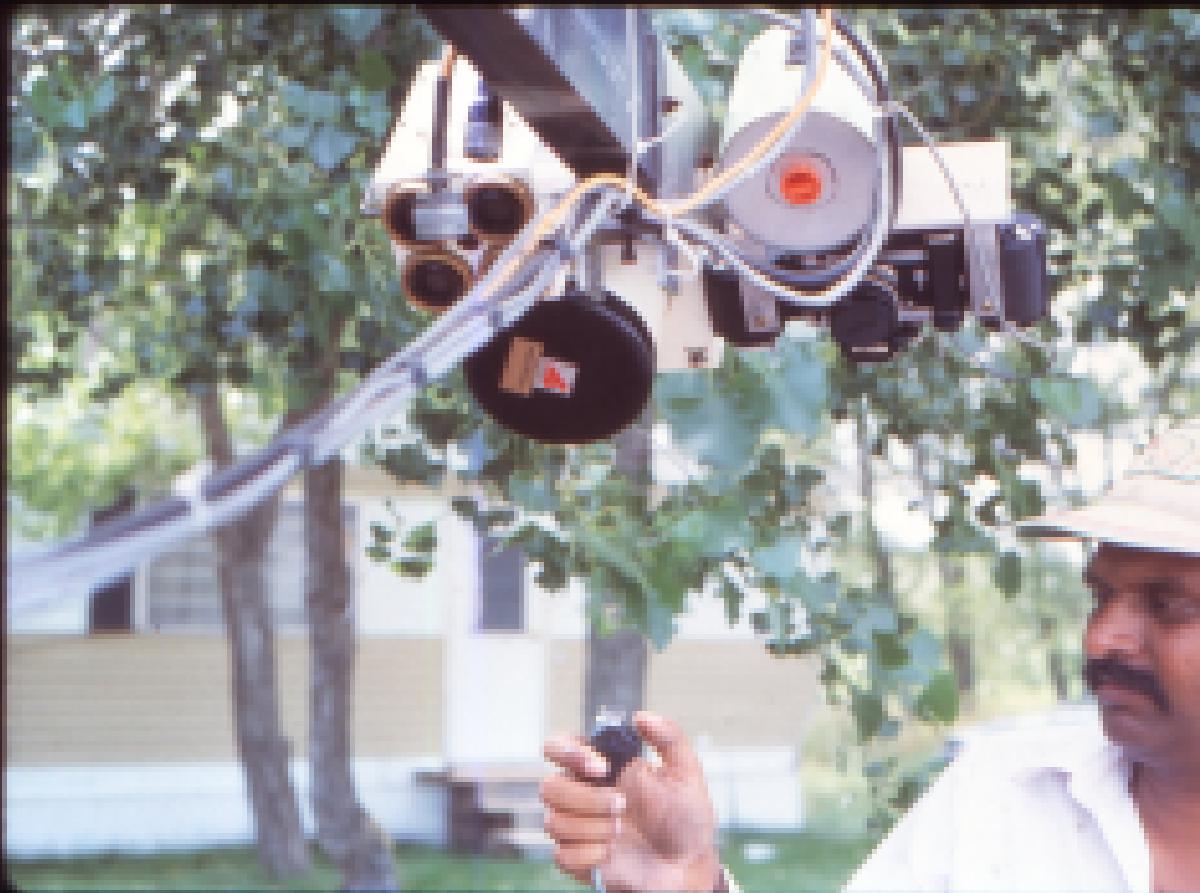


1942. The Luis Bellamy and Cindy May's dog, Biscuit,
Kennebunk Agricultural Laboratory, near North Haven.



August 1982. Taking readings in "D" area.
Sandhills Agricultural Laboratory, near North Platte,
Nebraska. Bill on top, using the infrared thermometer.

1982: Research tree, with the research instruments. Employee Thalay in the background. Mandhata Agricultural Laboratory, near North Point.





1981-1982. Roxanne Rous, seated. (Blue Blankie car hood), the Lab Building and the Employee trailer (behind the Agricultural Laboratory), near North Plaza.



1982. Looking west from "D" area,
Nebraska Agricultural Experiment Station, near North Platte.



1982. Looking south from 707 area.
Saskatchewan Agricultural Experiment Station, near North Battleford.



1982. The roost location (in the woods on the left) building
Penn State Agricultural Laboratory, near North Park.







August 1982. Taking readings in "D" area.
Sandhills Agricultural Laboratory, near North Platte.
Blaine Blad on top, using the infrared thermometer



1982: Ruggish Bremen's sunflower losses tract. Looking from the west side of "D" area to the east. Sandhill Agricultural Laboratory, near North Platte.



1963. A typical 0.75-m diameter water storage tank
Kemahills Agricultural Irrigation Project, near North Platte.



1953. Looking south from the Lab building. One of the research buildings is on the right. North Dakota Agricultural Laboratory, near North Platte.



1982. Dr. K. Olszewski - Pressure Melt Readings
Kamloops Agriculture Laboratory, near Ranch Park.



1992 "D" area, leading south
from Hill's Agricultural Laboratories, near South Plains.



1983. Looking west at "10" area.
Otero Hills Agricultural Laboratory, near Monte Vista,



1982. Looking east at 10th area, from the Lubbock
Borrelli Agricultural Laboratory, near North Platte.



1983. Lining north end of 107 area.
Sandstone Agricultural Laboratory, near North Platte.



August 8, 1962. Bains Blvd - calibration the instruments using the faculae satellite calibration plate, Sandhills Agricultural Station, near North Platte



August 6, 1982. Diana Blad - removing the lid from the barium sulfate calibration plate. Sandhills Agricultural Station, near North Platte









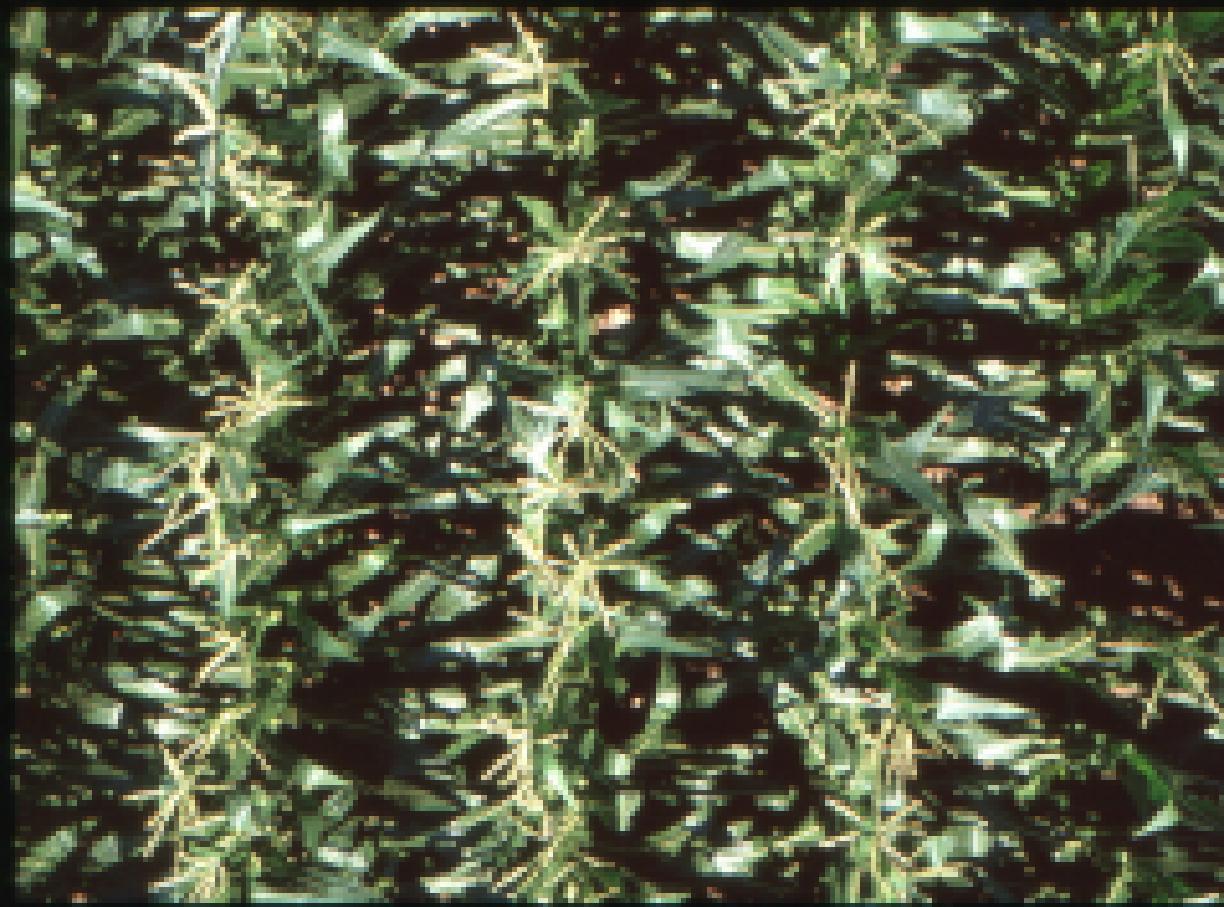


1983, August 8. "D" area "Soybean" (the northernmost part of "D" area).
Berthold Agricultural Laboratory, near North Platte.



1962, August 8. Looking north at "O" area.
Bentonia Agricultural Laboratory, near River Prairie.







July 30, 1982: Bannister's Research Track.

Bondville Agricultural Laboratory, University of Nebraska, near North Platte.

Skylane 1000A, 8 channel, 4 channel, infrared thermometers, 365 mm diameter.



July 26, 1982: Craig Baily (Jeff) and Kirk Clawson

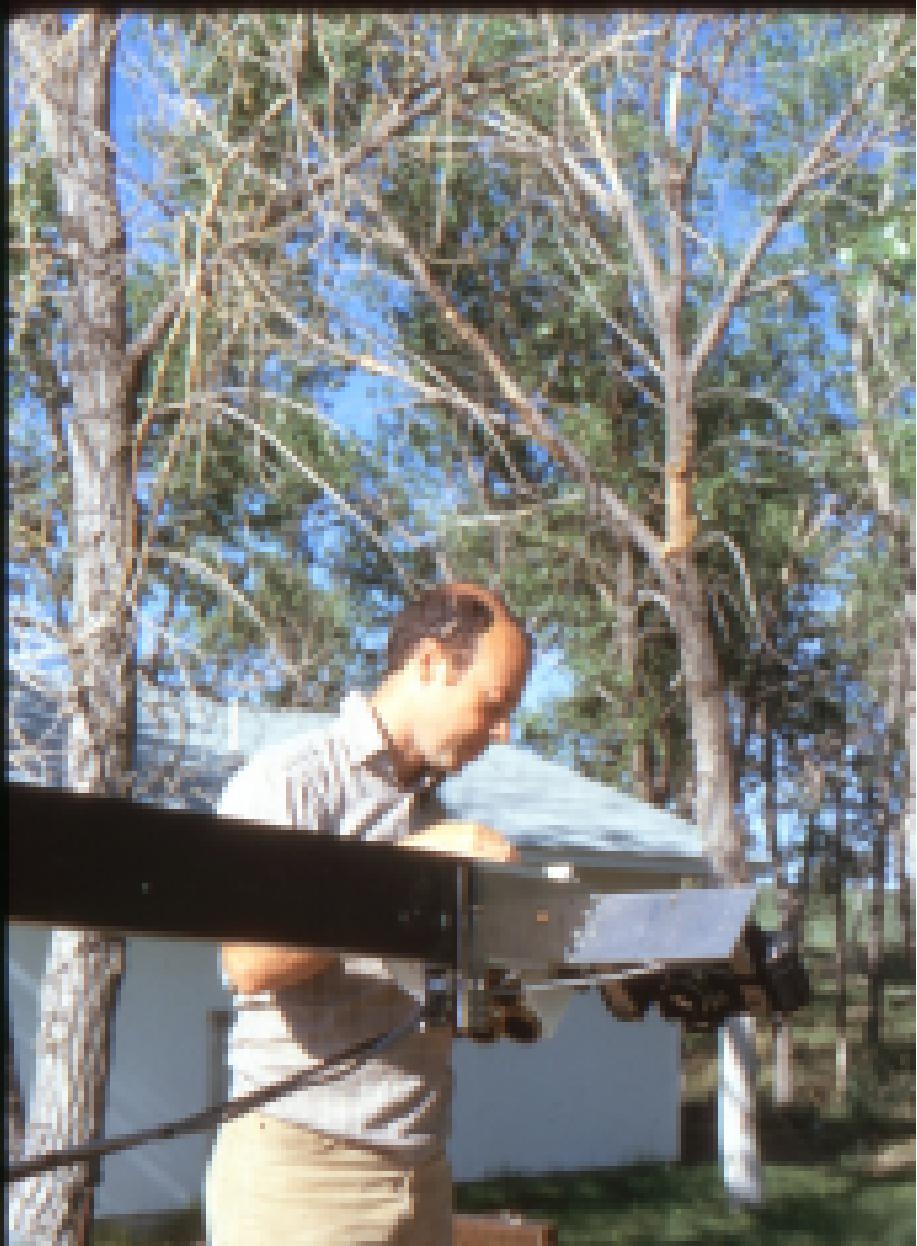


July 28, 1962 Cindy Hayes (left), Romano Rao, Blaine Bled
Sandhills Agricultural Station, near North Platte



July 29, 1982 Cindy Hayes (left) and Ramona Roy
Sandhills Agricultural Station, near North Platte

July 28, 1962 Brownson, installing the sensor equipment





July 20, 1982 Blaine Bird (left) and Banana Rio - making adjustments



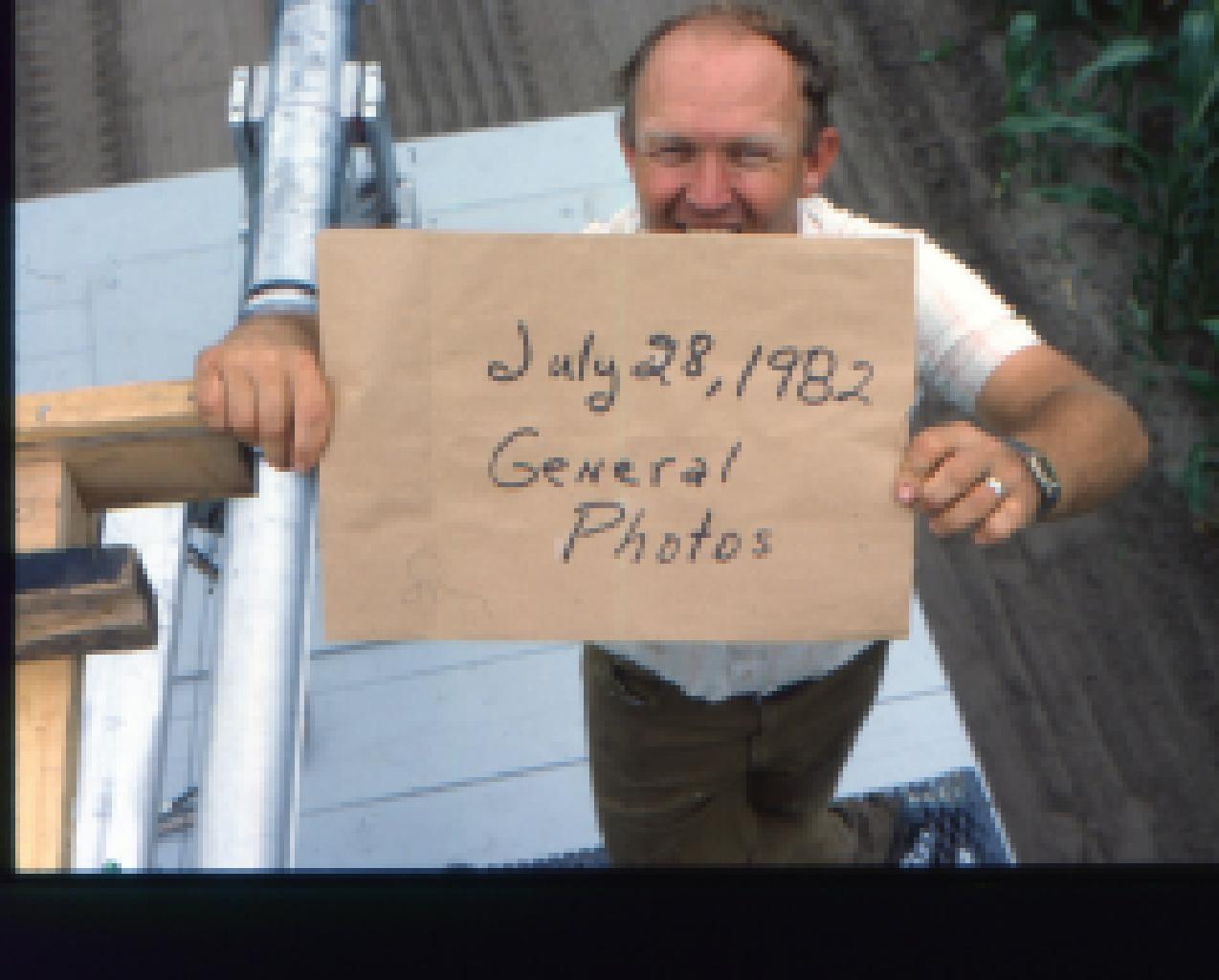
July 28, 1982 Brownson's Research Track.
Sandhills Agricultural Laboratory University of Nebraska, near North Platte



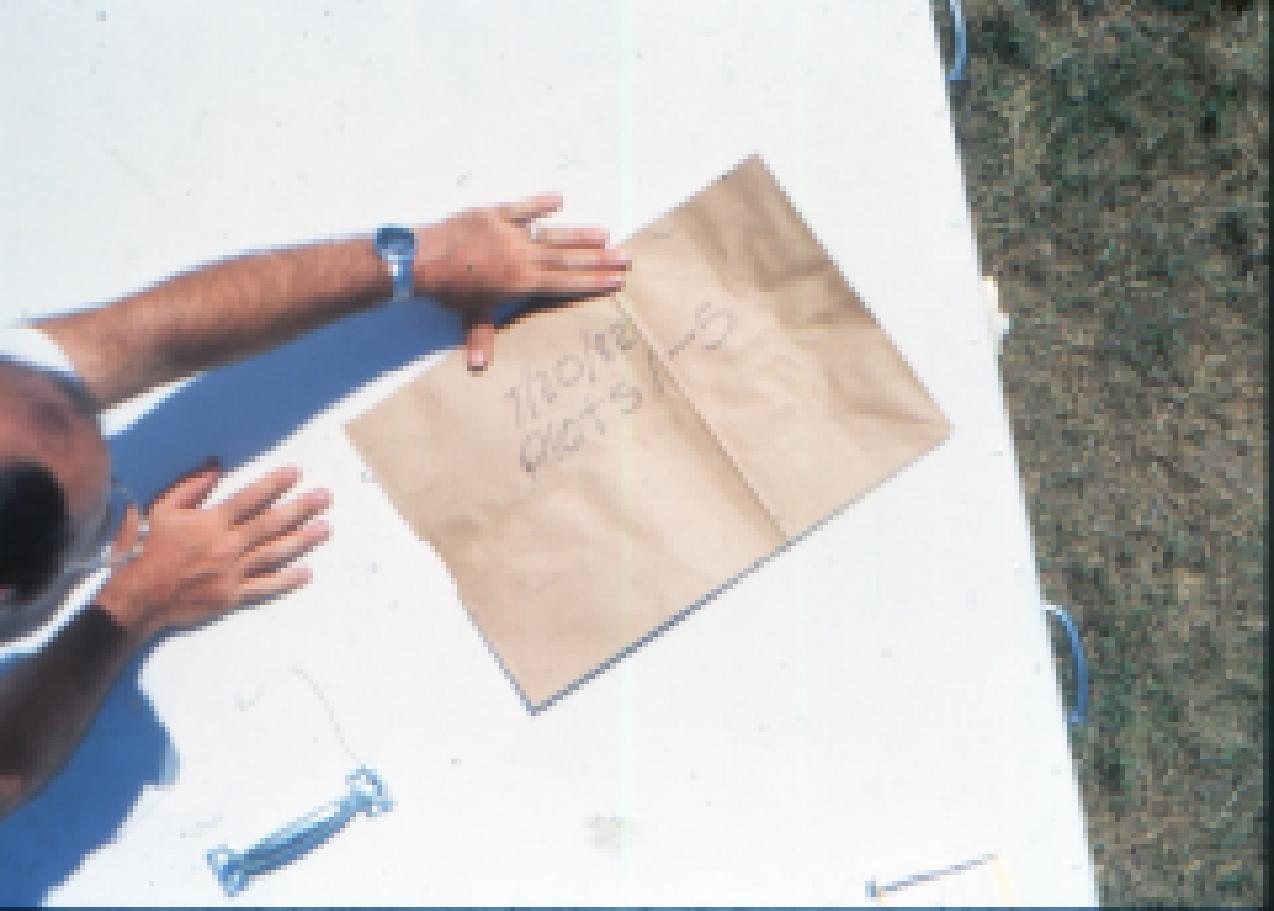






A color photograph of a man with a beard and mustache, wearing a white t-shirt and dark pants. He is holding a light-colored wooden sign with handwritten text. The sign reads "July 28, 1982" on the top line and "General Photos" on the bottom line. He is standing in front of a white building with a wooden railing on the left and some greenery on the right.

July 28, 1982
General
Photos





July 1982 Kirk Glasson (left) and Rameau Bee
Attaching the instruments to the boom truck.



July 1982 Kirk Clawson taking leaf measurements
Blain Blvd (blue hat) and Mike, the math teacher
Sandhills Agricultural Lab, near North Platte



July 14, 1982. Milk Classroom inspection. Bill Blunt on right. Wilson and myself.



July 14, 1990 Kirk Clawson taking leaf measurements.



July 24, 1962 Blaine Blvd. Concordia Agricultural Laboratory
University of Nebraska, near North Platte









July 18, 1982. River Blue凌豆





July 14, 1992 Glisino taking leaf measurements.





1985: The "Prairie wheeler" and the employee trailer
Saskatchewan Agricultural Laboratory, near North Battleford.



1982. The Missouri "Ditch" "D" area, looking southward.
"Land-Grant Leader" measures remote meadowlarks.
Nebraska Agricultural Laboratory, near North Platte.



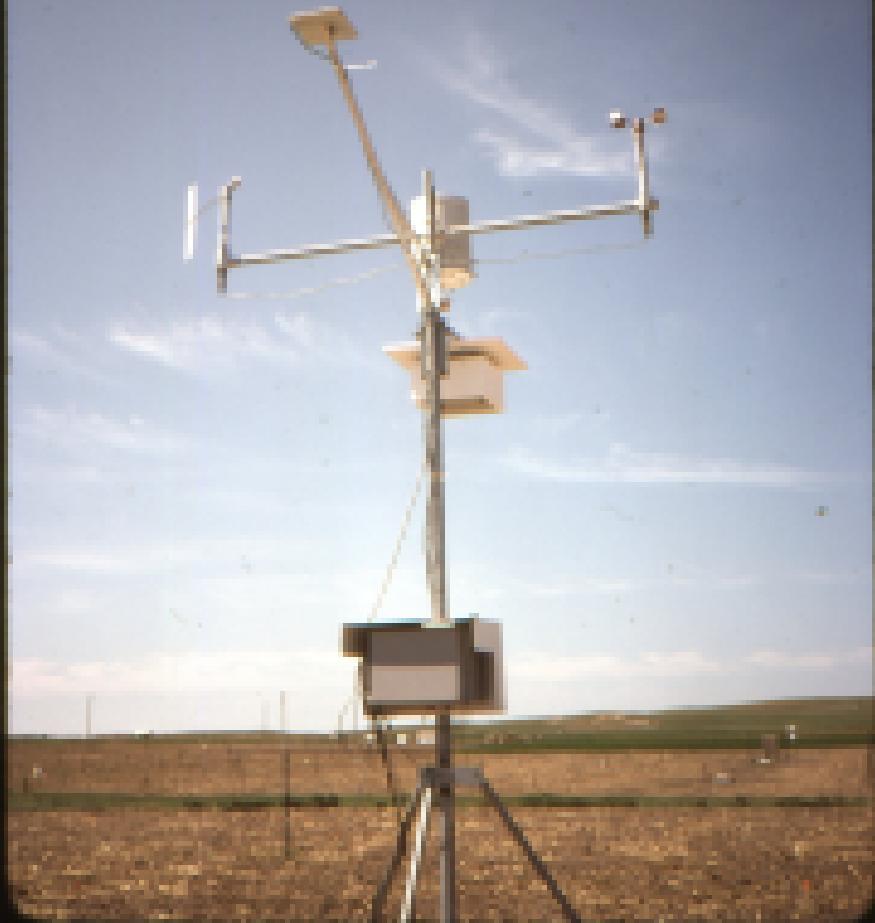
July 1982: Technicians cleaning pipes used for neutron probe readings. Sandhills Agricultural Laboratory. The Lab Field Office is in the background.



June 1982, "D" area, looking west - late afternoon,
Nanotab Agroforestry Laboratory, near North Platte



1962. Ed Schwerdt,痴爱农业机械,在位于马里兰州巴尔的摩农业试验站附近的一个农场。



May 28, 1983 - Campbell Weather Station
This station was in in the middle road
between Agassiz and Lethbridge, near North Platte



May 28, 1982. Campbell Weather Station, looking west from 10th area.
Bartonsville Agricultural Laboratory, near North Platte.



Wayne Gardner at the Univ of Nebraska's Sandhills Ag Lab, near North Platte. He worked during the summer of 1983, assisting his brother, Bronson with his Ph.D. project. These are two of his co-workers.



Wayne Gardner's co-workers at the University of Nebraska's Sandhills Ag. Lab. Wayne worked there the summer of 1983, assisting his brother, Bronson with his Ph.D. project.



1980 Wayne Gardner and Craig Daly
Sandmill Agricultural Laboratory, near North Platte, Nebraska



1963 Wayne Gardner
Sandhill Agricultural Laboratory, near North Platte, Nebraska



Wayne Gardner at the University of Nebraska's Sandhills Ag. Lab. He worked there the summer of 1983 assisting his brother, Bronson with his Ph.D. research project.



Walt Wayne Gardner and Craig Eddy
Sandhill Agricultural Laboratory, near North Platte, Nebraska



1983 Wayne Gardner

Sandhill Agricultural Laboratory, near North Platte, Nebraska



Wayne Gardner at the Univ of Nebraska's Sandhills Ag Lab, near North Platte.
He worked during the summer of 1983, assisting his brother, Bronson with his Ph.D. project.



1953 Wayne Gardner (with Craig Daily's arms)
Sandhill Agricultural Laboratory, near North Platte, Nebraska



Wayne Gardner at the Univ of Nebraska's Sandhills Ag Lab, near North Platte.
He worked during the summer of 1983, assisting his brother, Bronson with his Ph.D. project.



1980 Wayne Gardner
Sandhill Agricultural Laboratory, near North Platte, Nebraska



1983 Ed Schwane, Craig Daly, Wayne Gardner
Sandhill Agricultural Laboratory, near North Platte, Nebraska



Wayne Gardner at the Univ of Nebraska's Sandhills Ag Lab, near North Platte.
He worked during the summer of 1983, assisting his brother, Bronson with his Ph.D. project.



Wayne Gardner at the Univ of Nebraska's Sandhills Ag Lab, near North Platte.
He worked during the summer of 1983, assisting his brother, Bronson with his Ph.D. project.



©2003 Wayne Gardner, Craig Daily
Sandhill Agricultural Laboratory, near North Platte, Nebraska



Wayne Gardner at the University of Nebraska's Sandhills Ag. Lab. He worked there the summer of 1983 assisting his brother, Bronson with his Ph.D. research project.



Wayne Gardner at the Univ of Nebraska's Sandhills Ag Lab, near North Platte.
He worked during the summer of 1983, assisting his brother, Bronson with his Ph.D. project.



STATE OF NEBRASKA
UNIVERSITY OF
NEBRASKA
42NP

CHRISTINE E GARDNER
102 EIRCH ST
VACAVILLE CA 95688

448-5987



Wayne Gardner at the University of Nebraska's Sandhills Ag. Lab. He worked there the summer of 1983, assisting his brother, Bronson with his Ph.D. project.



1953 September Wayne Gardner and Betty Walker, recording instrument readings,
Sandhill Agricultural Laboratory, near North Platte, Nebraska



1953 September Wayne Gardner and Betty Walter, recording instrument readings, Sandhill Agricultural Laboratory, near North Platte, Nebraska



1960 September Wayne Gardner and Betty Walter, recording instrument readings, Sandhill Agricultural Laboratory, near North Platte, Nebraska.



1963 September Wayne Gardner and Betty Waller, recording instrument readings, Sandhill Agricultural Laboratory, near North Platte, Nebraska



1963 September Wayne Gardner and Betty Walter, recording instrument readings, Sandhill Agricultural Laboratory, near North Platte, Nebraska.



1953 September Wayne Gardner and Betty Waller, recording instrument readings,
Sandhill Agricultural Laboratory, near North Platte, Nebraska



1963 September Wayne Gardner and Betty Walter, recording instrument readings.
Sandhill Agricultural Laboratory, near North Platte, Nebraska



1983. One of our research trailers. This was south of the lab building used in "C" area, Sandhill Agroforestry laboratory, near North Platte.



1982. TDF area, looking east.
Grazing Agricultural Laboratory, near Roma, Queensland.



FIG. 3. "C" area, loess soil. Note the weather station transom Agricultural Laboratory, U.S.A. (1970 photo).



1963: Benson Gardner, (solid on top) preparing for calibration
Sandhill Agricultural Laboratory, near North Platte, Nebraska



One of Bronson's Ph.D. research photos. Taken from the truck camera.
(very young corn)



One of Bronson's Ph.D. research photos. Taken from the truck camera.
(very young corn)



One of Bronson's Ph.D. research photos. Taken from the truck camera.
(very young corn)



Bronson's Ph.D. research project. Blaine Blad on top of the truck.
Bronson is driving.



July 11-13, Maren Keeney (Brennan's new boss at SOHIO) taking infrared thermometer readings at the Sandhills Agricultural Lab near North Platte, Nebraska for a research project initiated by Brennan for SOHIO (eventually, SOHIO became part of British Petroleum)



July 11-13 Branson, getting ready to take back-infrared thermometer readings at the Sandhills Agricultural Lab near North Platte, Nebraska for a research project initiated by Marathon (now SOHIO). Eventually, SOHIO became part of British Petroleum.



1984 - Thunderbolt Farm - Tornado damage to center pivot.

July - O'Neill Nebraska



July 1984 - Bronson at the Sandhills Ag Lab, measuring leaf water potential, for a research project initiated by his new employer, SOHIO (eventually, British Petroleum).



July 1984 - Brookes at the Sandville Ag Lab, measuring leaf water potential, for a research project initiated by his new employer, SOMO (eventually, British Petroleum).



July 1984 - Branson at the Sandhills Ag Lab, measuring leaf water potential. For a research project initiated by his new employer, SOHIO (eventually, British Petroleum).



July 1984 - Bronson at the Sandhills Ag Lab, measuring soil water potential, for a research project initiated by his new employer, SOCALCO (eventually, British Petroleum).



July 1988 - Stevenson at the Sandhills Ag. Lab., measuring leaf water potential, for a research project initiated by his new employer, SOHIO (eventually, British Petroleum).



July 1984 - Bronson at the Sandhills Ag Lab, measuring leaf water potential, for a research project initiated by his new employer, SOCALCO (eventually, British Petroleum).







July 1984 - Broersma at the Sandhills Ag Lab, measuring leaf water potential, for a research project initiated by his new employer, SOMO (eventually, British Petroleum).



July 1984 - Bronson at the Badlands Ag Lab, measuring leaf water potential, for a research project initiated by his new employer, SCOHRS (eventually, British Petroleum).



July 1980 - Branson at the Sandhills Ag Lab, measuring leaf water potential, for a research project initiated by his new employer, SOHIO (eventually, British Petroleum).









1980 - Bronska analyzing the multi-spectral images that were taken on July 15, 1980 over the Sandhills Agricultural Laboratory



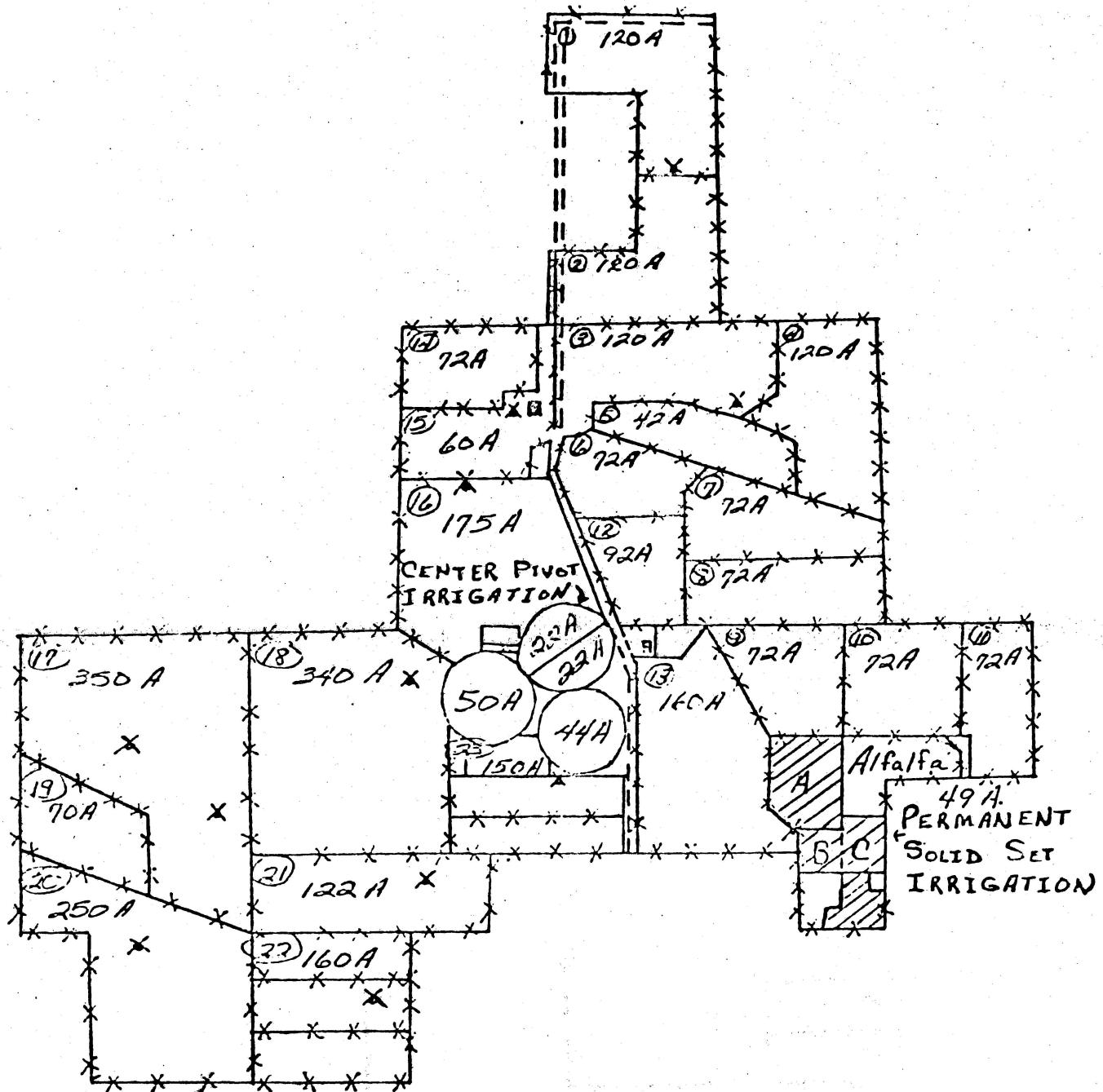
1980 - Baines Bland analyzing the multi-spectral images that were taken on July 18, 1980 over the SanHills Agricultural Laboratory

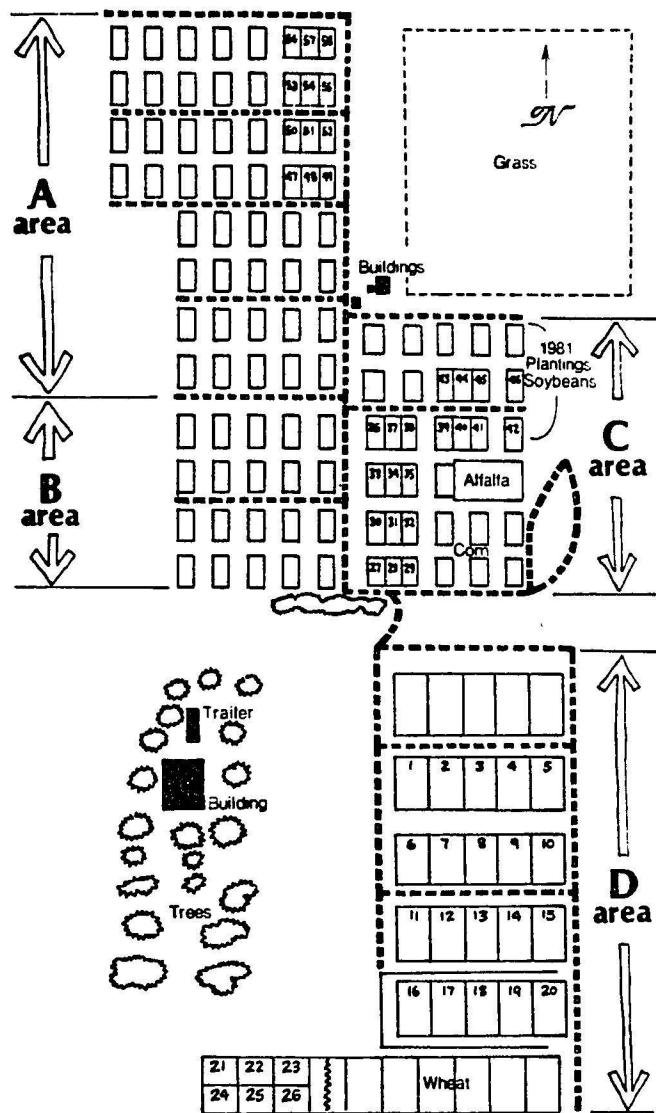


1980 - Romario Rigo analyzing the multi-spectral images that were taken on July 15, 1980 over the Sandhills Agricultural Laboratory



UNIVERSITY OF NEBRASKA
SANDHILLS AGRICULTURAL LABORATORY

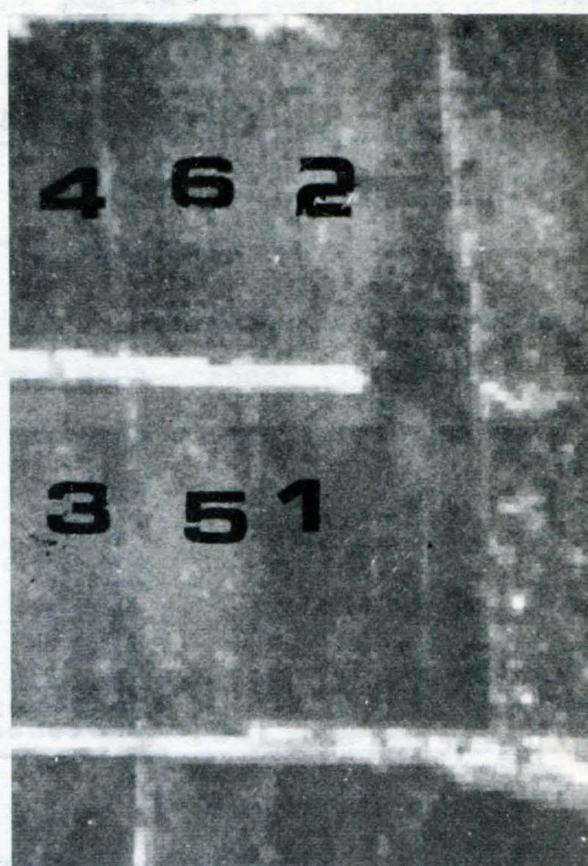
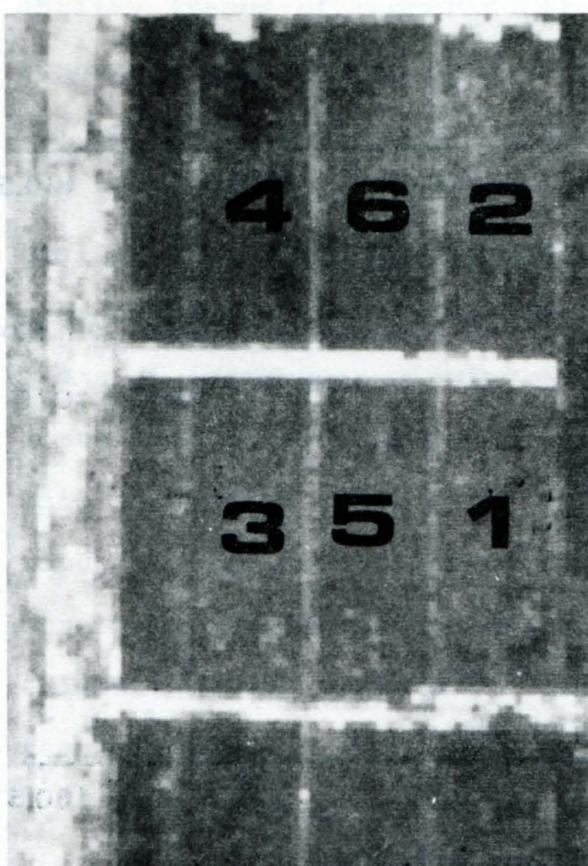




**University of Nebraska
Sandhills Ag. Lab. Solid Set Irrigation**

Solid set irrigation area of the Sandhills Agricultural Laboratory showing plot locations :

Latitude:41.626618 Longitude:-100.839648



JULY 20

AUGUST 30

Fig. 7. Thermal imagery (channel 11) for the Irrigation Scheduling plots (C area) on July 20 and August 30, 1979. The light colored lines running E-W are roadways between plots. Those running N-S are sprinkler lines between plots. Areas 1, 2, 3, 4, 5 refer to plots receiving different irrigation treatments (Chapter VII). The darker the color, the cooler the temperature.

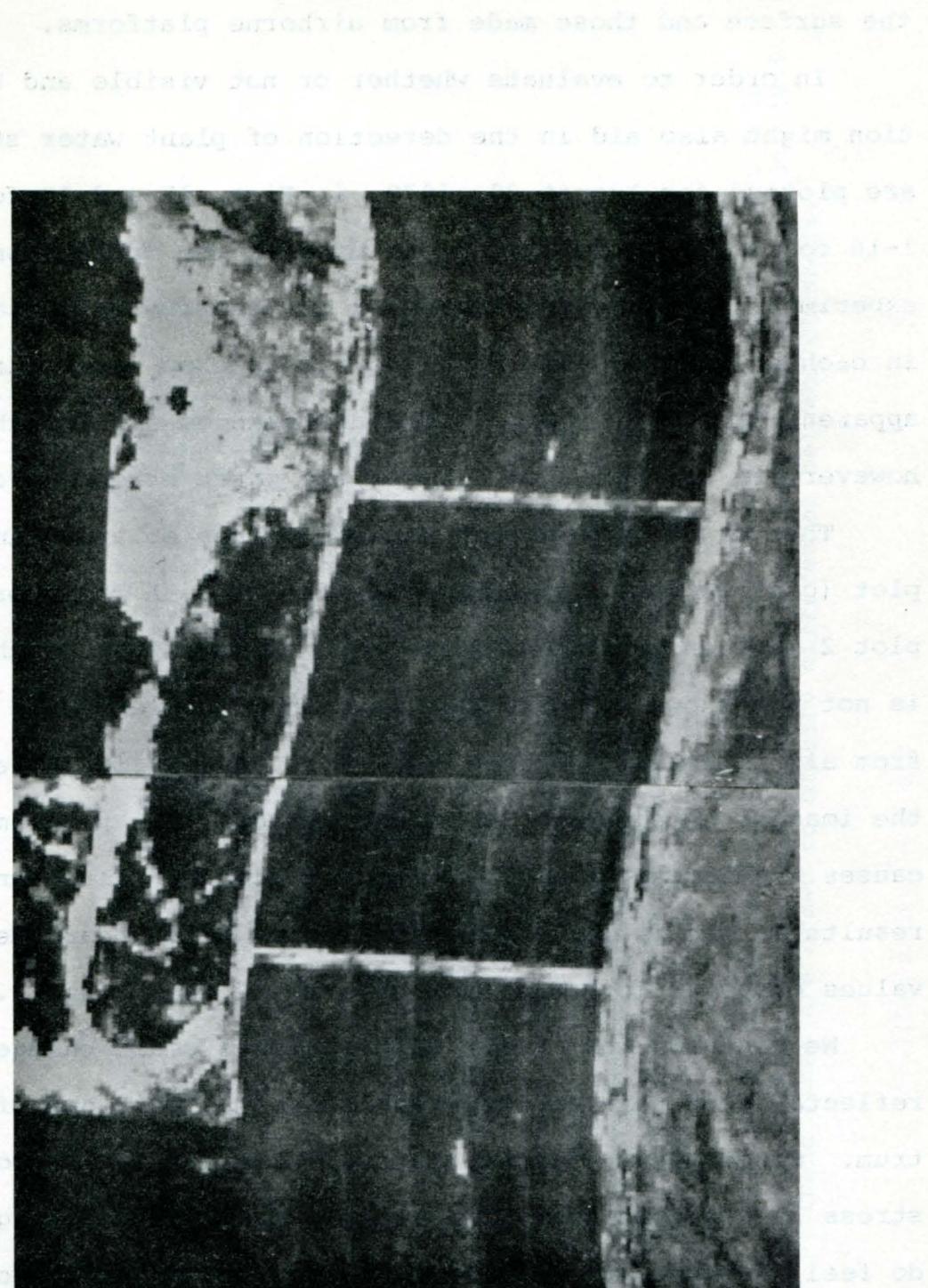


Fig. 11. Thermal imagery (Channel 11) of the water gradient treatments in area D on August 30, 1979. The two thin lines running N-S to the right and left of the center of the field are the irrigation sprinkler lines. The water gradients are applied on either side of these lines.

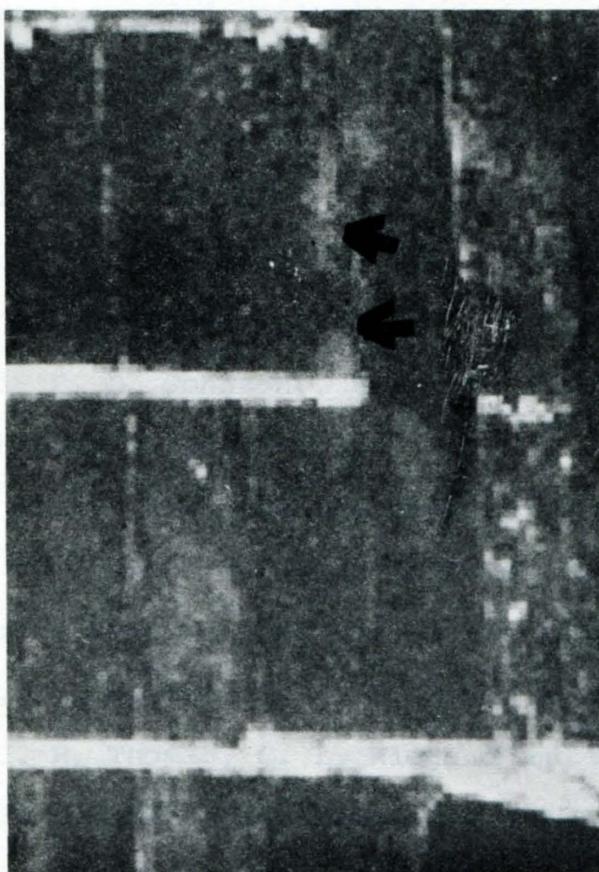


Fig. 14. Imagery from the temperature irrigation scheduled plots in C area. Data are from Channel 6 (0.62-0.66 μ m range) on August 30, 1979. The arrows show the problem area in the 3SMW plot (plot 2).

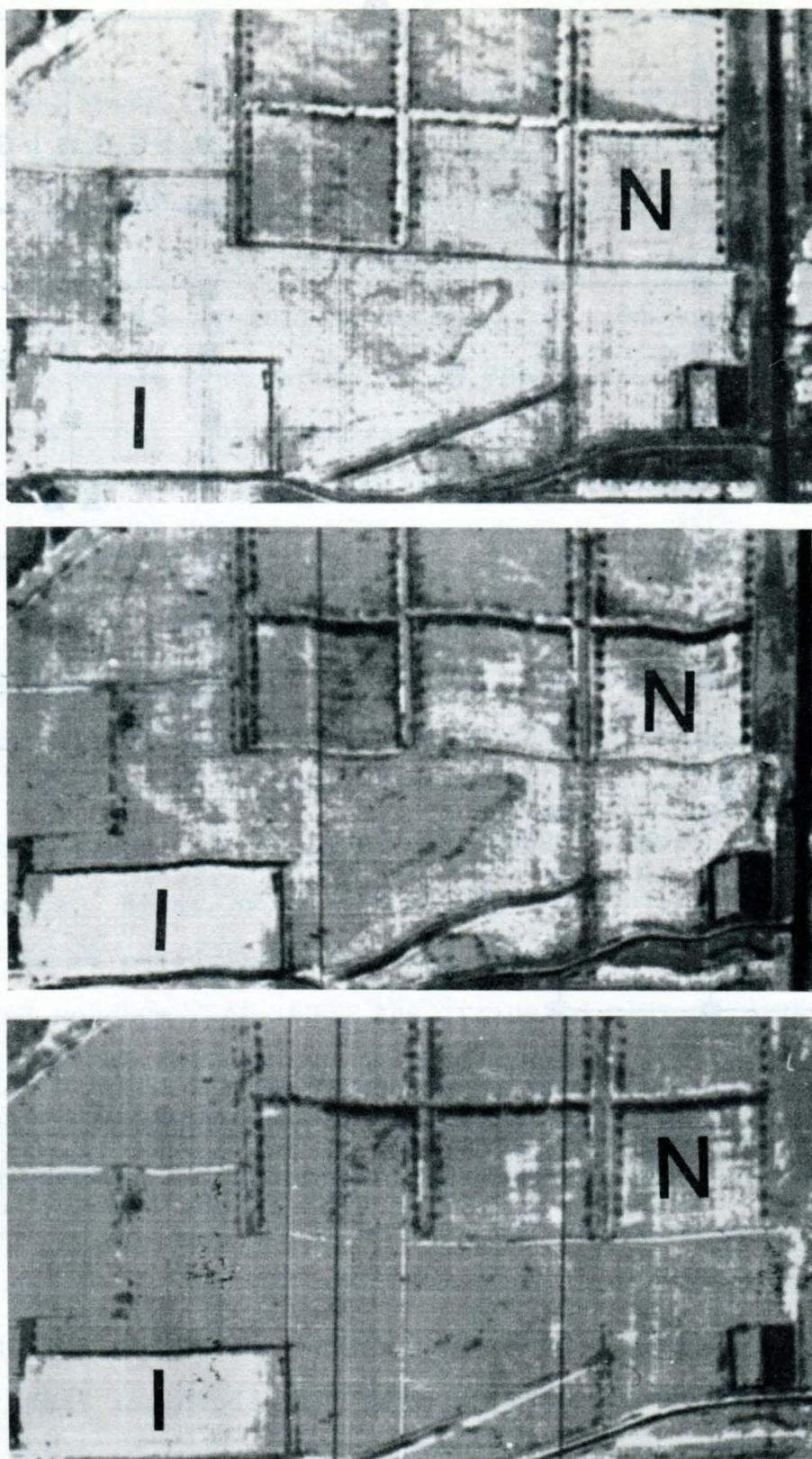
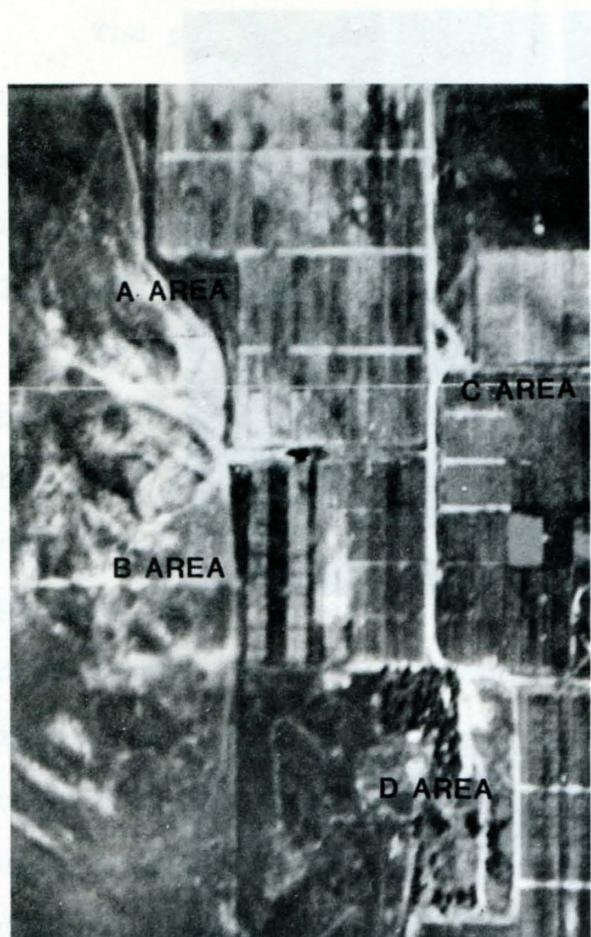
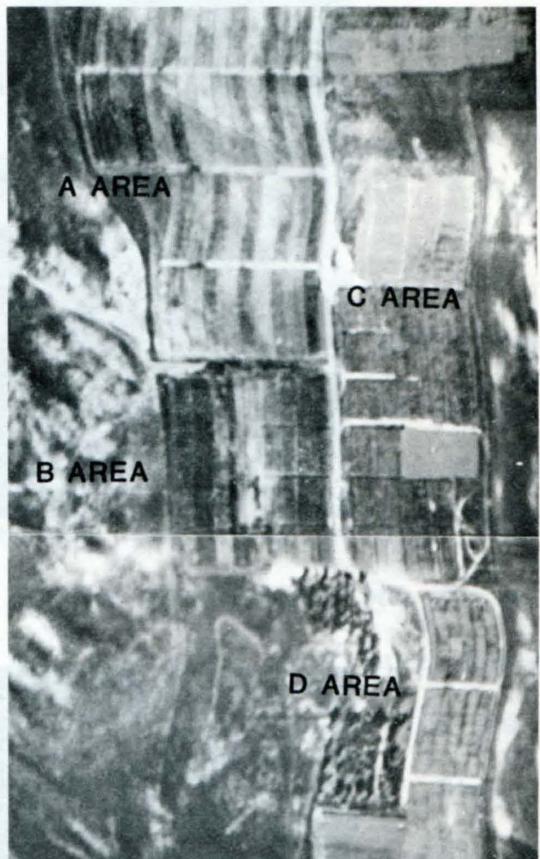


Fig. 6. Thermal imagery of irrigated and non-irrigated sorghum on August 26, 1974, at Mead, Nebraska. An irrigated plot is marked with an I and a non-irrigated plot with an N. The lighter the shade the cooler the temperature. A (1148 h), B (1613 h) and C (1817 h). All remaining areas were planted to non-irrigated sorghum. The lines forming distinctive tic-tac-toe pattern are tree shelterbelts.



JULY 20



AUGUST 30

Fig. 4. Three band color composite of the Sandhills Agricultural Laboratory on July 20 and August 30, 1979. Color assignments were: Blue - Channel 4; Green - Channel 6; Red - Channel 10. Due to the high cost of reproducing color photographs, the ones shown here are reproduced only in black and white. North is to the top of the page.

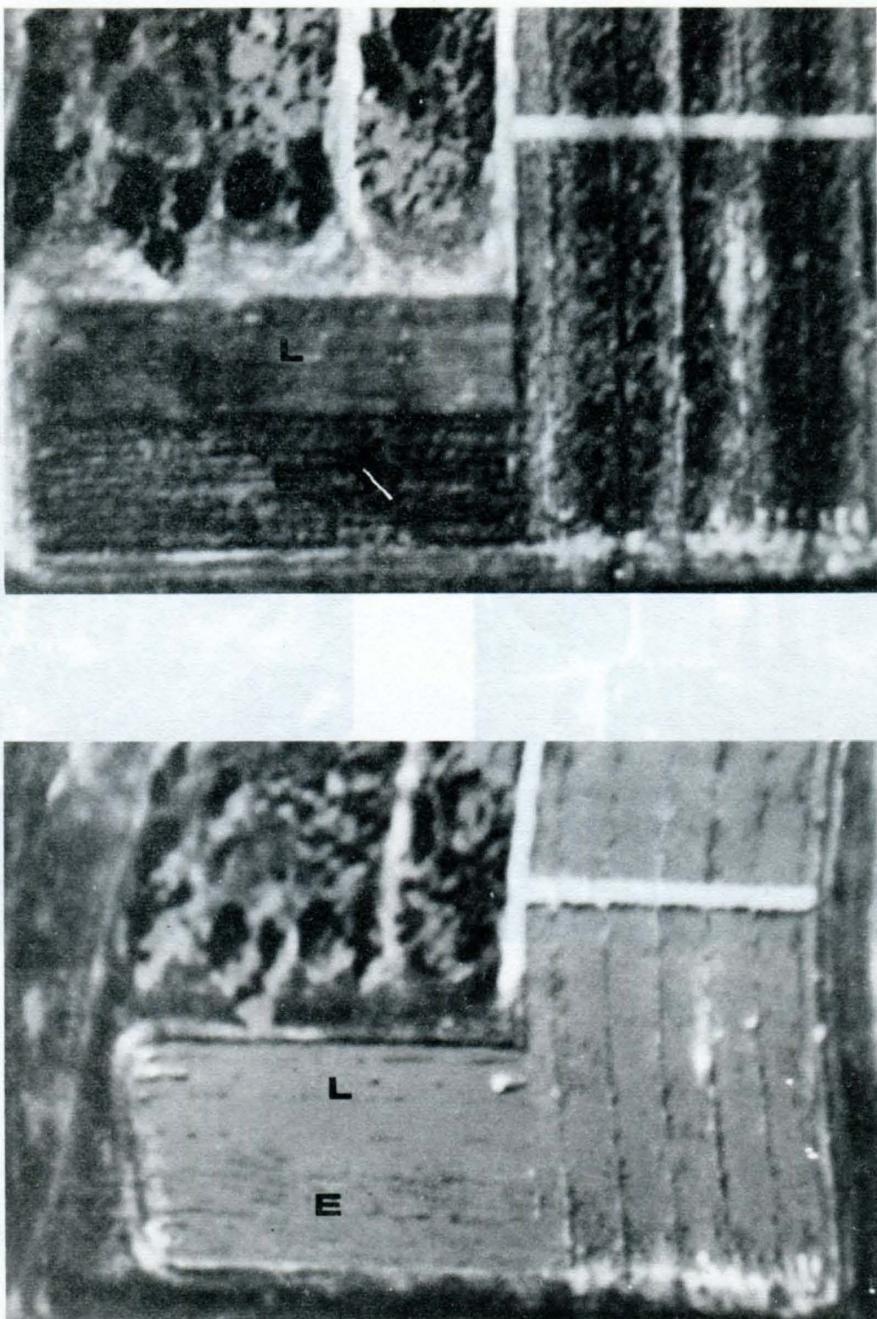


Fig. 5. Enlarged color composite of the south end of D area, showing the contrast between bare soil and a corn crop on July 20 (A) and August 30, 1979. Color assignments were the same as in Fig. 4. Area L is late planted corn and area E is early planted corn.

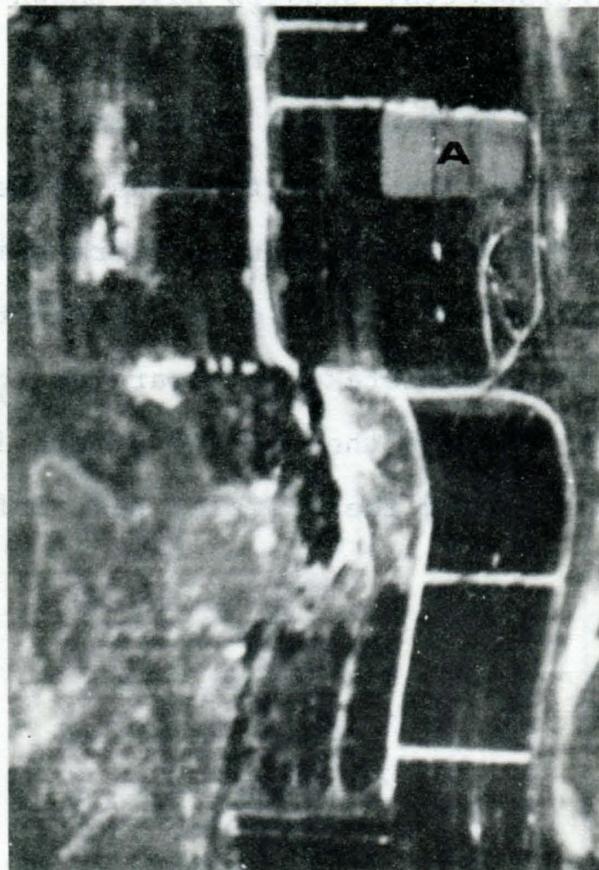


Fig. 1. Three channel color composite of the Sandhills Agricultural Laboratory for the August 30, 1979 data. Color assignments were Blue--Channel 11, Green--Channel 1, and Red--Channel 8. Alfalfa area is labeled A.

NITROGEN STUDY

SOYBEANS

WATER

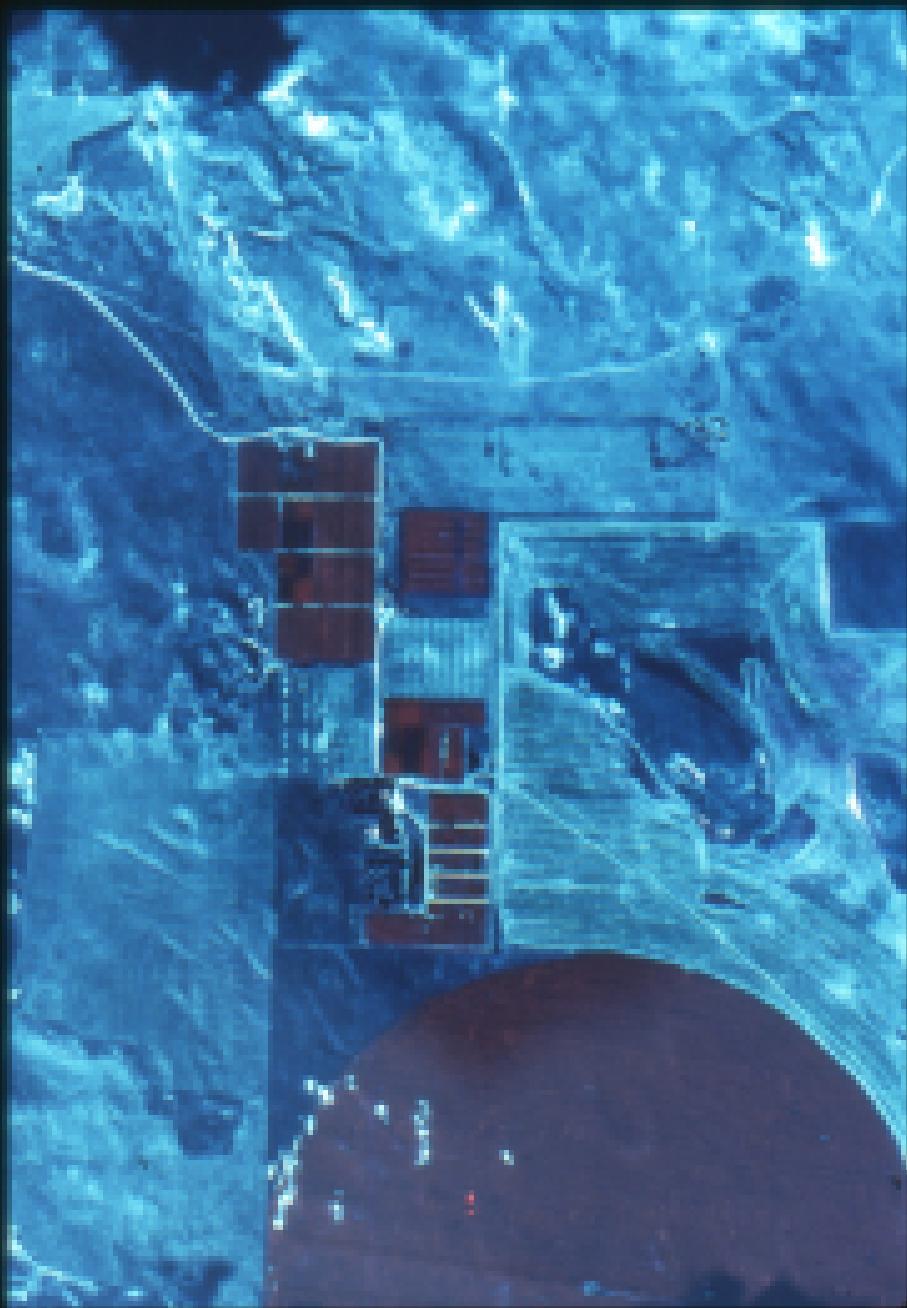
ALFALFA

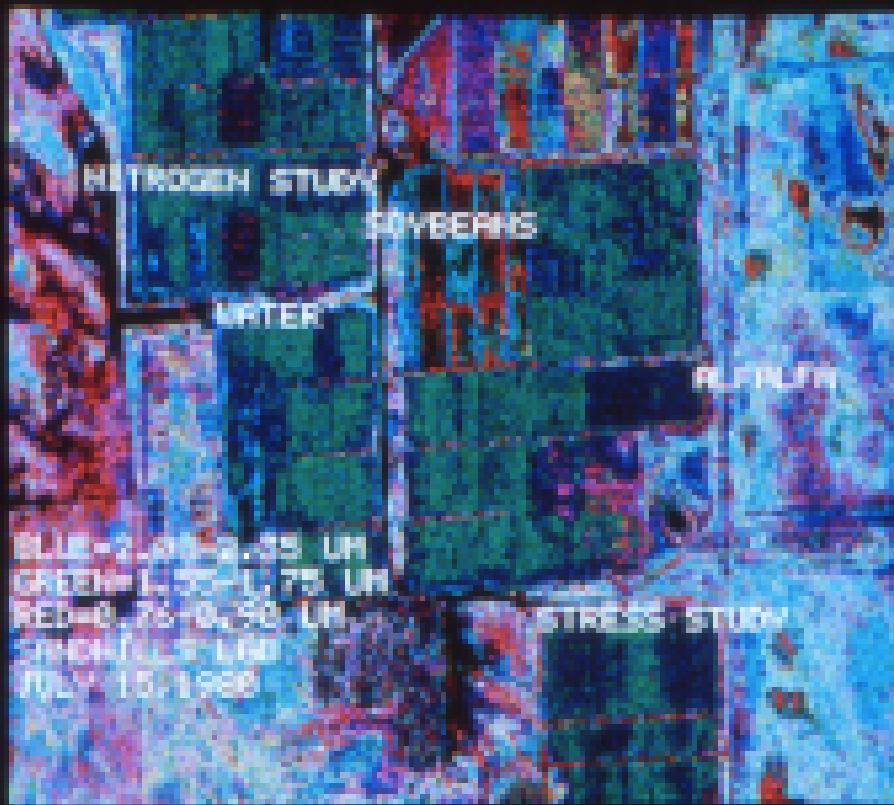
10.4-12.5 UM
SANDHILLS LAB
JULY 15, 1980
(THERMAL BAND)

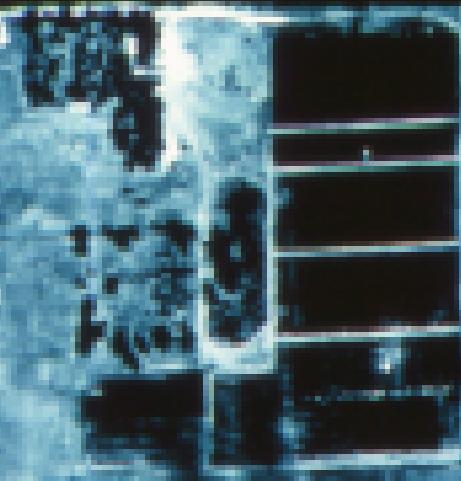
STRESS STUDY



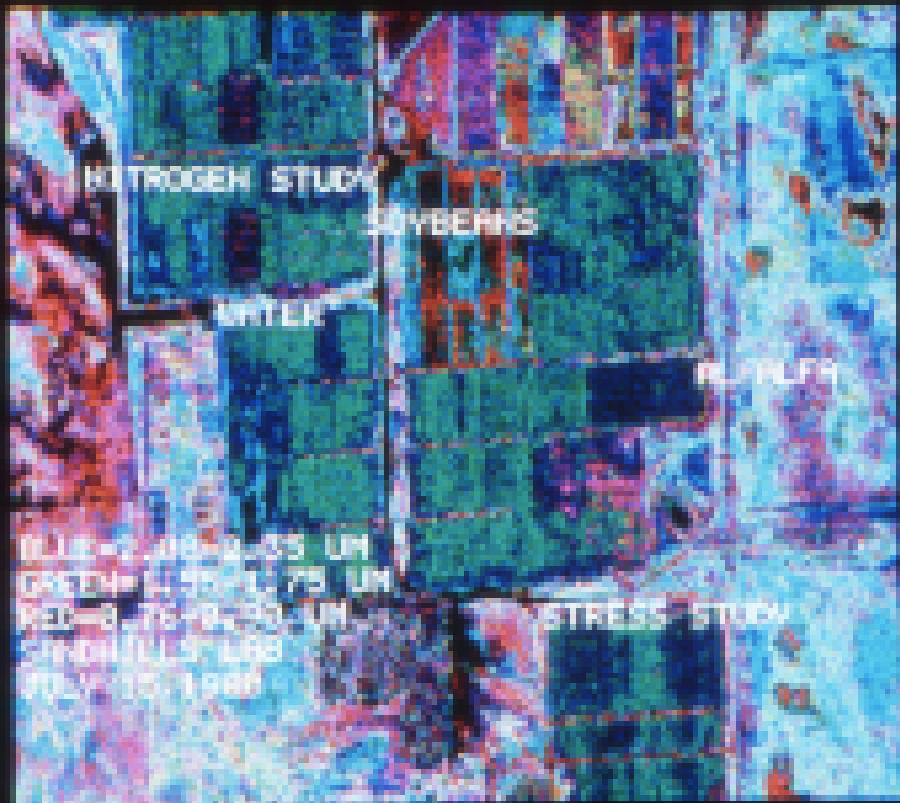
0.76-0.90 UM
D AREA AND PIVOT
SANDHILLS LAB
JULY 15, 1980







CHANNEL 2 8.63-8.67 UM
D AREA AND PIVOT
SANDHILLS LAB
JULY 15, 1988



CENTER PLATE
SOUTH OF SPRINGSILLS LRR
JUNE 17, 1990

BLU: 0.76-0.98 UM
GRN: 0.52-0.62 UM
RED: 0.63-0.89 UM

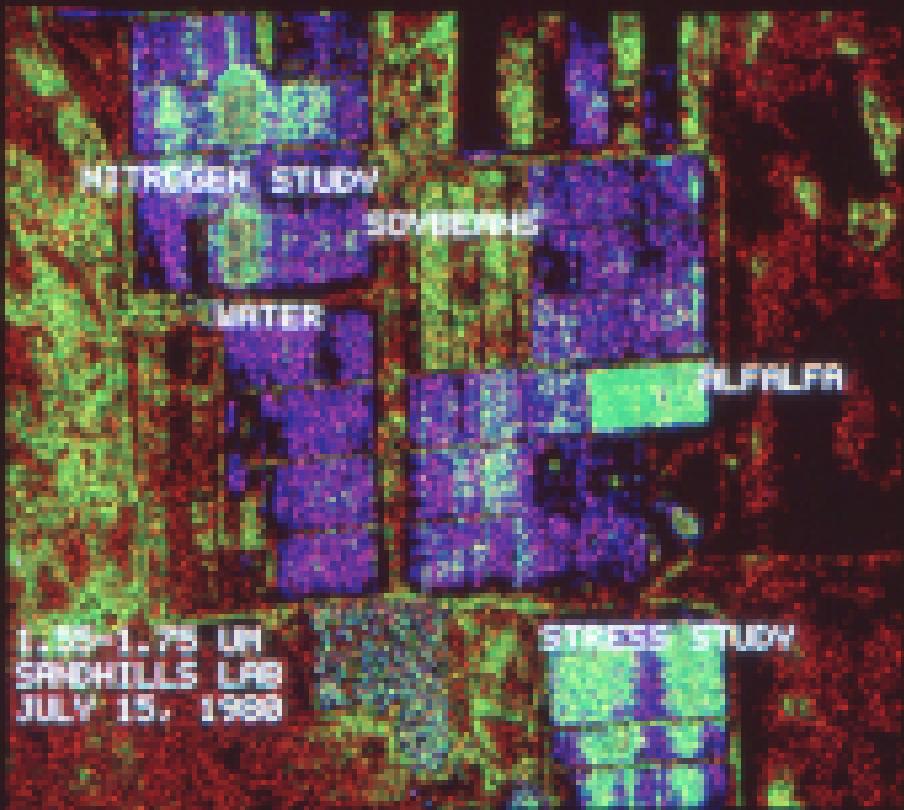
MET SOIL

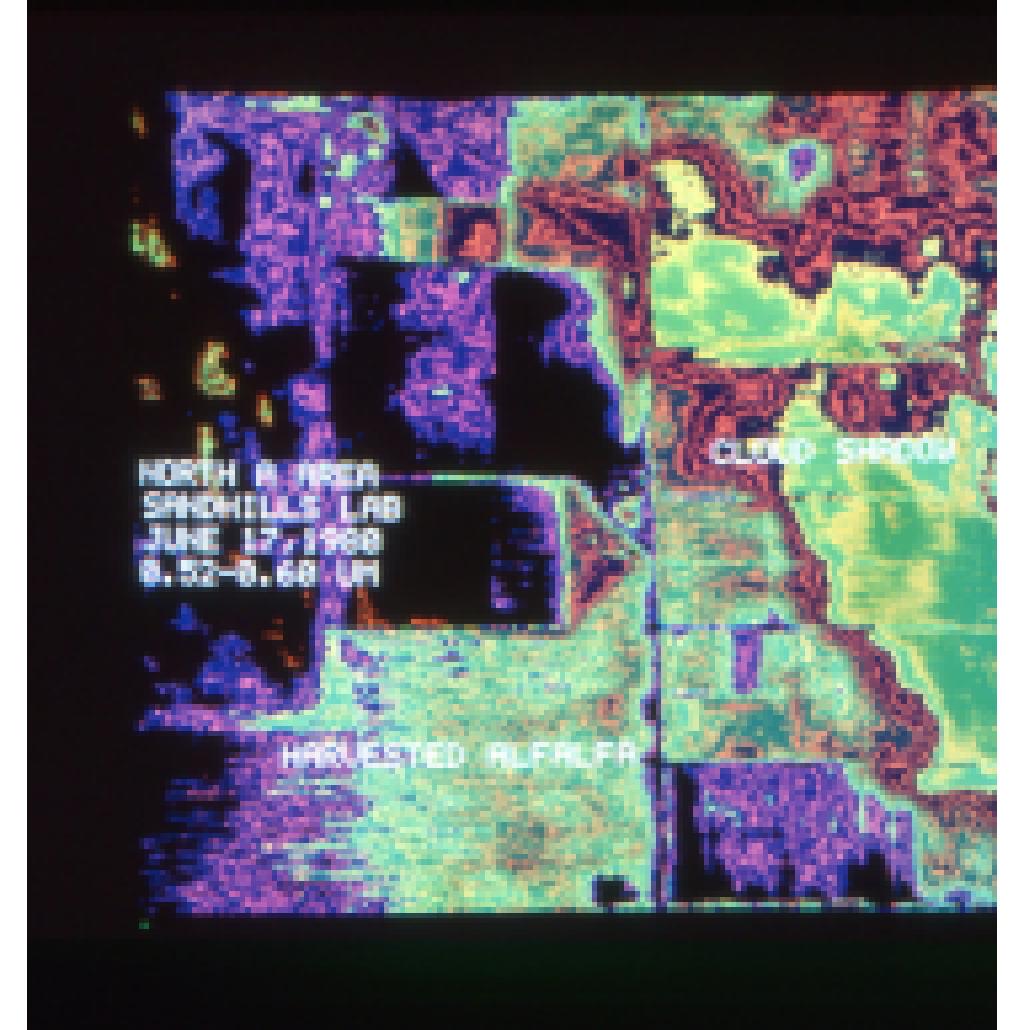
600' SLOP

CLOUD SHADOW

CLOUD SHADOW

HOTSTUFF GROUND TRUTH
SAHARTELLS LAB
JUNE 17, 1998
0.83-0.89 UM





NORTH BURGER
SANDBERG LRR
JUNE 17, 1998
0.52-0.60 M

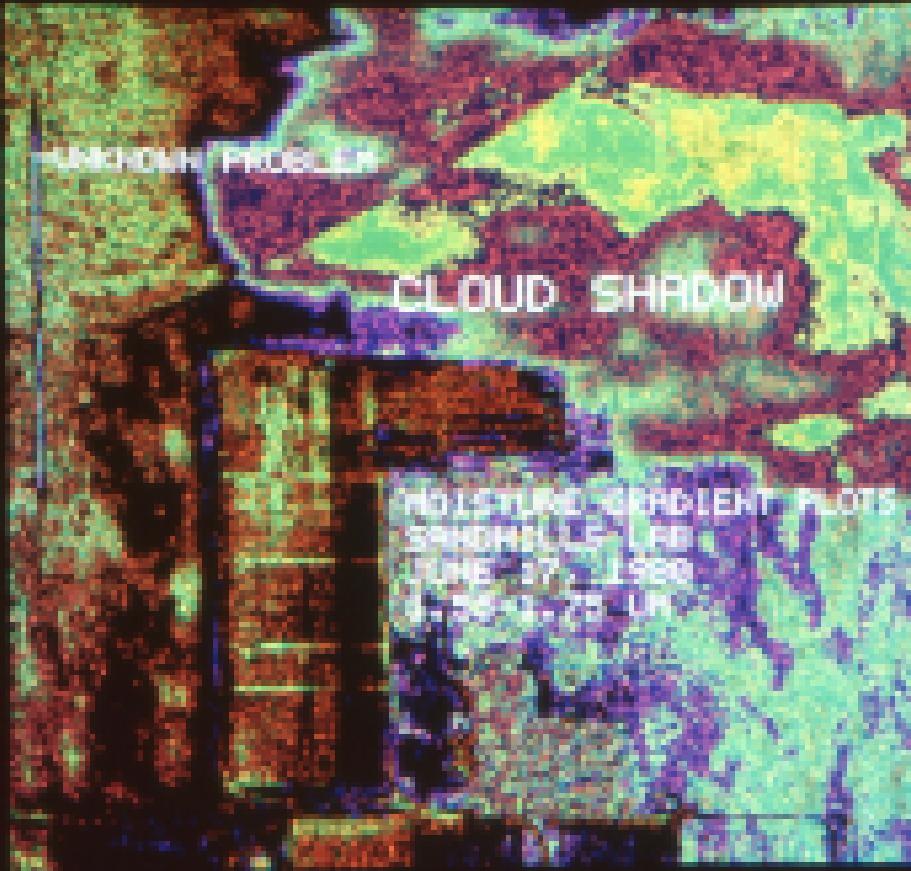
HARVESTED RURAL AREA

CLAYTON, S.D.

UNIDENTIFIED PROBLEMS

CLOUD SHADOW

ROTSTUSS GRADIENT FLOW
SPINDHILLS LAB
JUNE 17, 1988
4.18-1.38 UH



CENTER PILOT
SOUTH OF SHOEHILLS LAKE
JUNE 17, 1969

1.10-2.30 UM

WET SOIL

DRY SOIL

CLOUD SHADOW

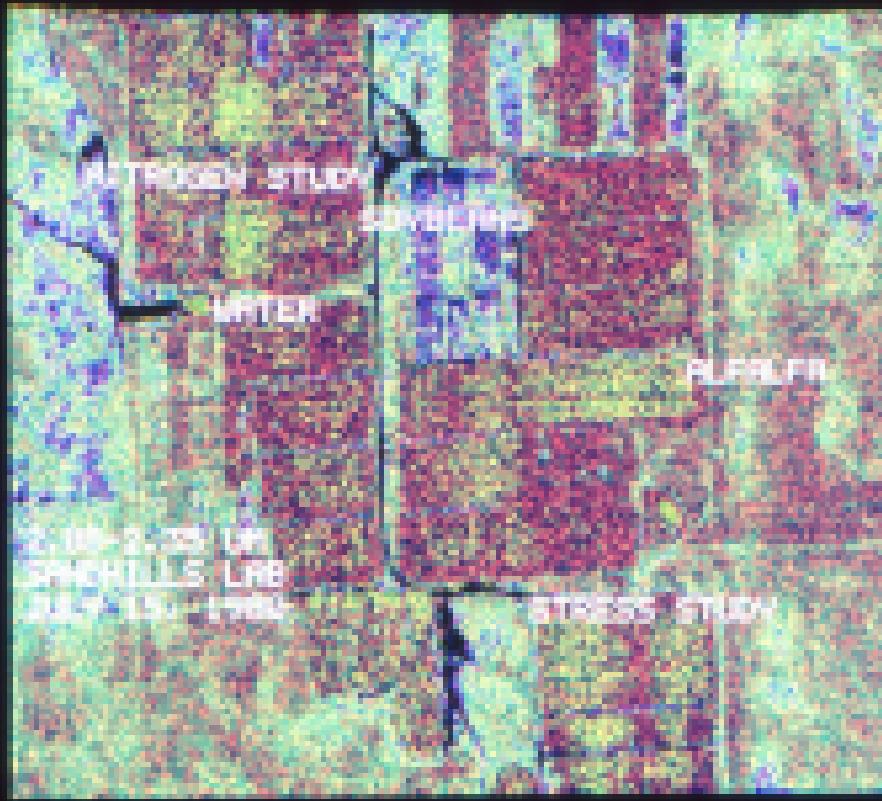
CENTER PIVOT
SOUTH OF SPRINGHILL LANE
JULY 2004 TIRF

WATER LEVELS 40-0.52' UH
40-0.52-0.62' UH
40-0.62-1.25' UH

WET SOIL

DRY SOIL

SHADOW



HYDROGEN STUDY

SOMBERNS

ALFALFA

BLUE=0.52-0.68 UM

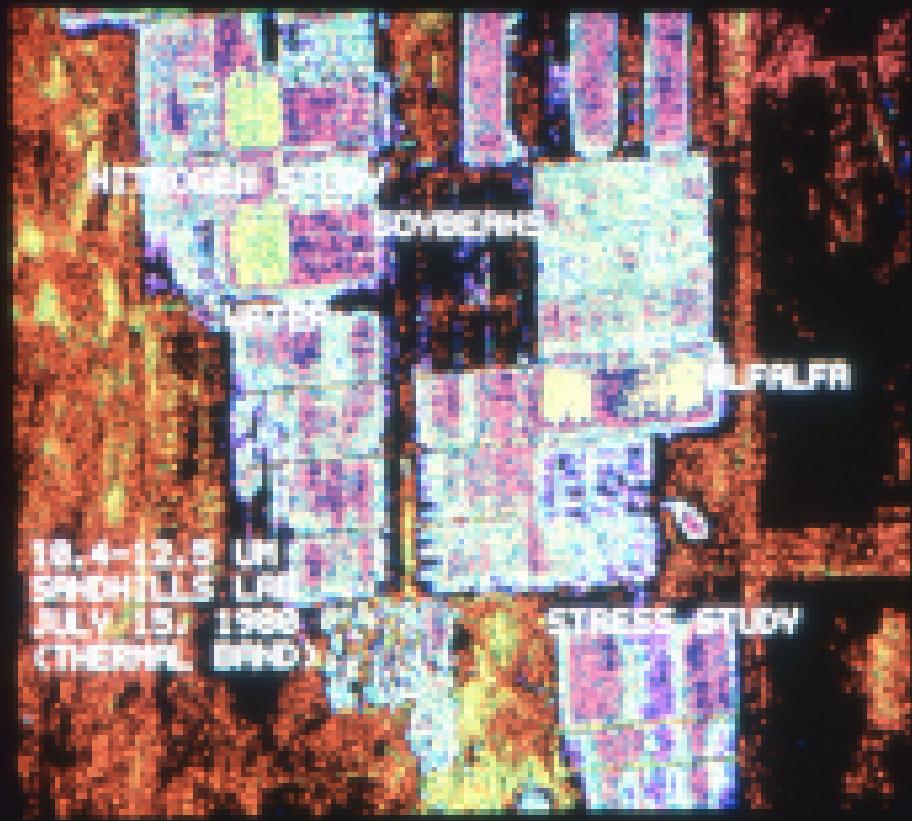
GREEN=0.63-0.69 UM

RED=0.76-0.90 UM

SPARSHILLS LAB

JULY 15, 1989

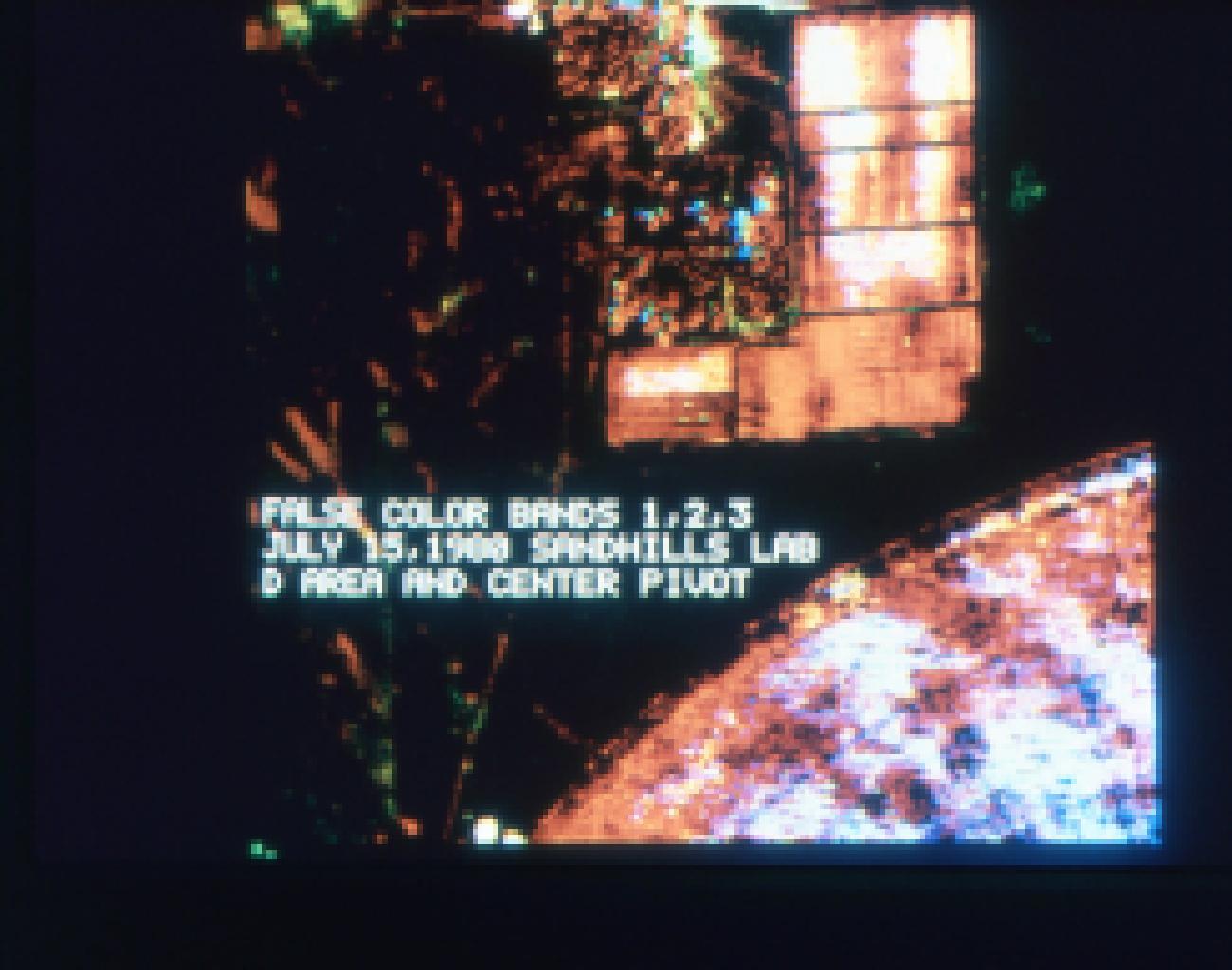
STRESS STUDY



A photograph of a stained tissue sample, likely a histological section. The sample is mostly orange and yellow, with a distinct blue-stained area in the center. A white scale bar is visible in the lower-left corner of the blue area. The image is framed by a black border.

10.4-12.5 UM

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BONNIE L. LEE
JULY 15, 1998



FALSE COLOR BANDS 1, 2, 3
JULY 15, 1988 SANDHILLS LAB
D AREA AND CENTER PIVOT



NORTH END OF D-PIVOT
SPRINGHILL LANE
JUNE 17, 2008
IRRIGATION
SYSTEM TEST

CLOUD SHADOW

IRRIGATED - PUFF PUFF
DUST FREE



CLOUD SHADOW

NORTH AFRICA

SANDHILLS URG

JUNE 17, 1980

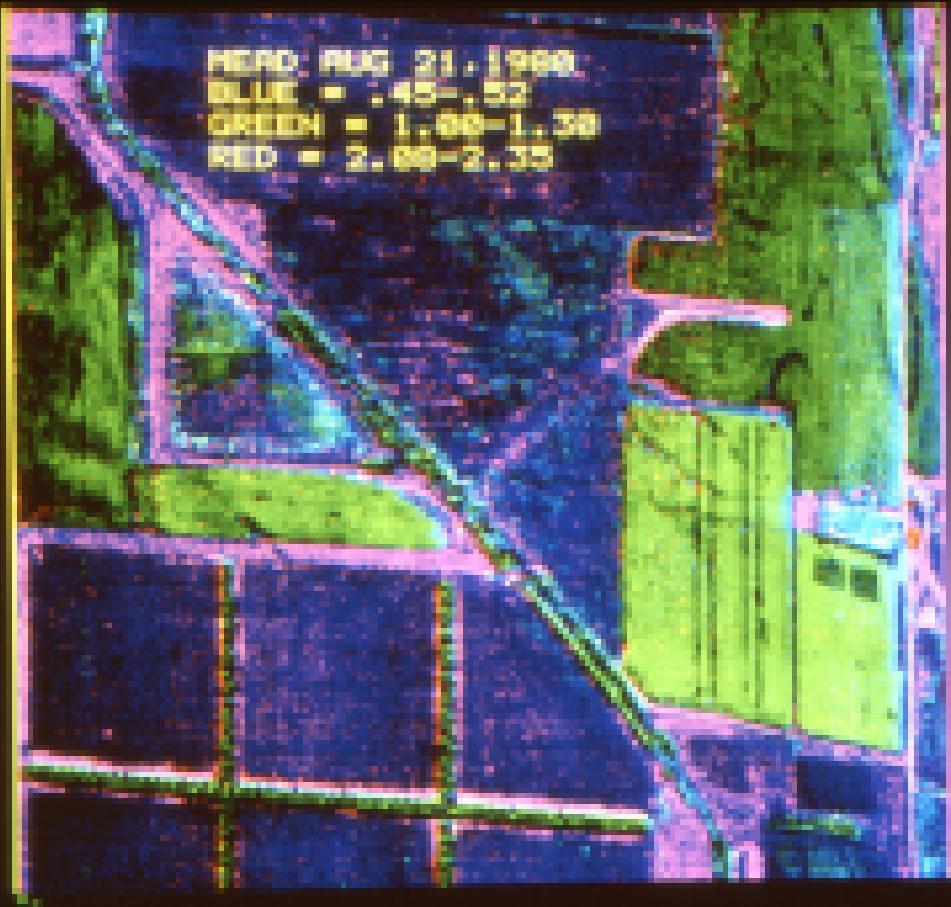
BLUE = 2.00-2.35 UN

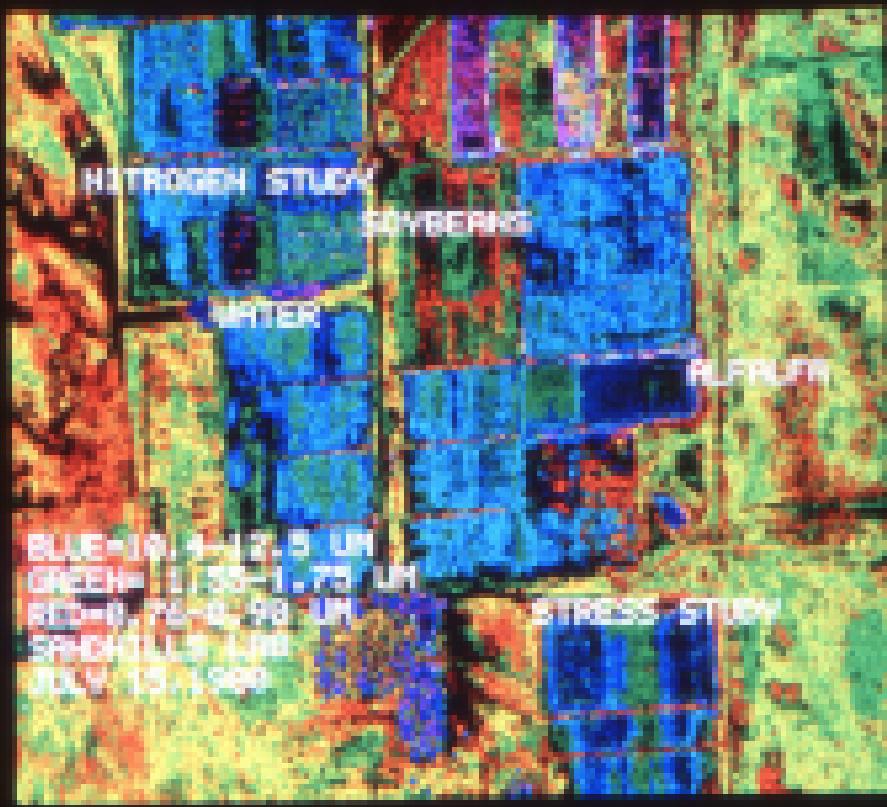
GREEN = 10.4-12.5 UN

RED = 1.50-1.75 UN

HARVESTED ALFALFA

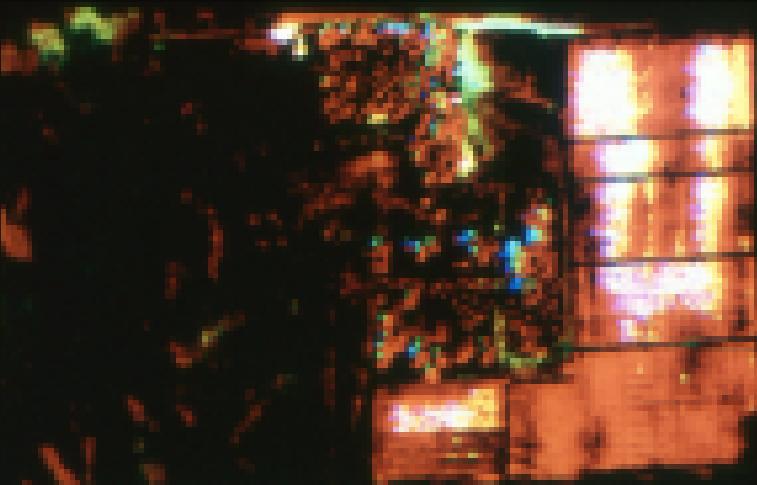
PIRDO: PIRG 21.1988
BLUE = .45-.52
GREEN = 1.00-1.38
RED = 2.69-2.35





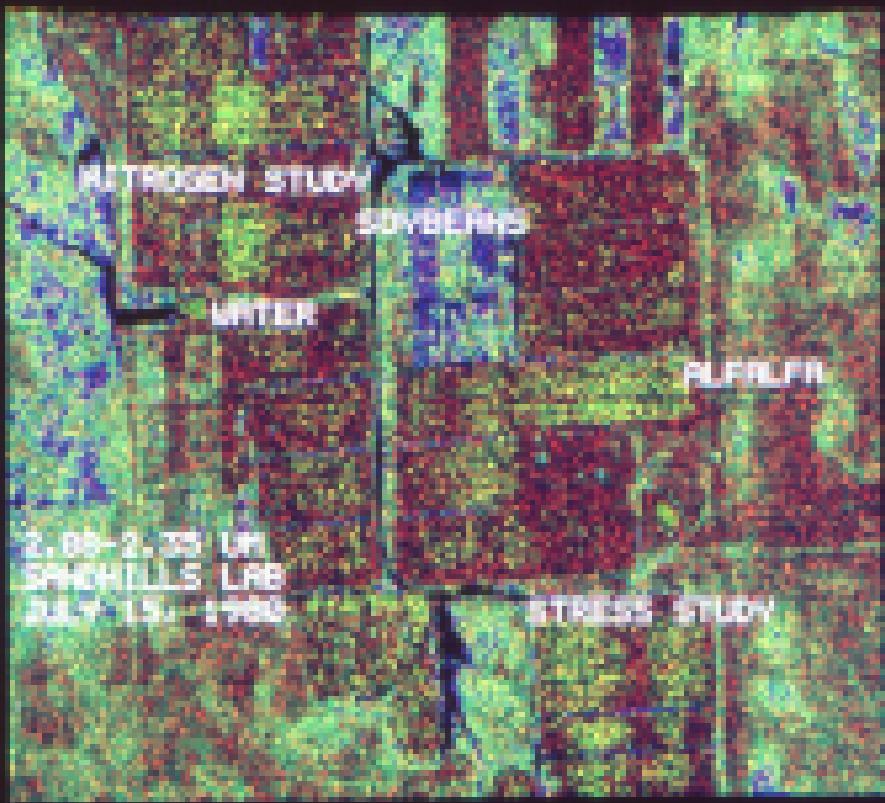
8.52-8.68 UM
D AREA RHO PIVOT
SANDHILLS LAB
JULY 15, 1988





FALSE COLOR BANDS 1, 2, 3
JULY 15, 1988 SANDHILLS LAB
D AREA AND CENTER PILOT



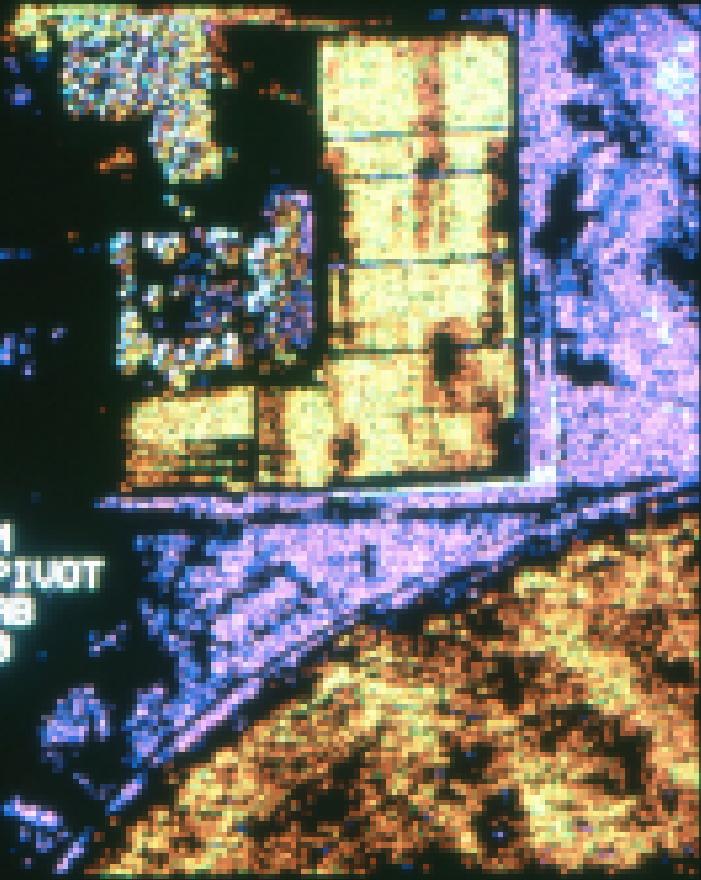


CENTER PILOT
SOUTH OF SPRINGFIELD, ILL.
JUNE 17, 1969

10 of 10

卷之三

10 of 10



8.75-8.90 UM
D PRER RHD PIVOT
SPRINGHILLS LAB
JULY 15, 1988

NITROGEN STUDY

COYBEANS

WEEDS

ALFA

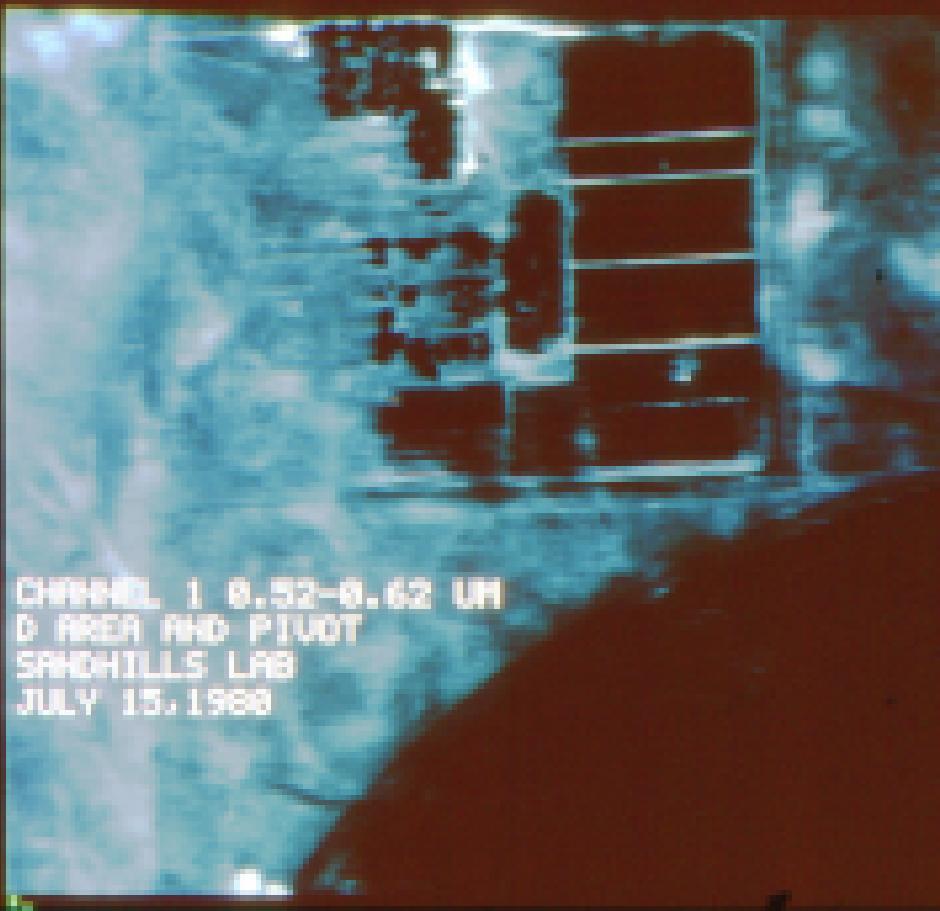
10.4-12.5 UMT

MONHILLS LDG

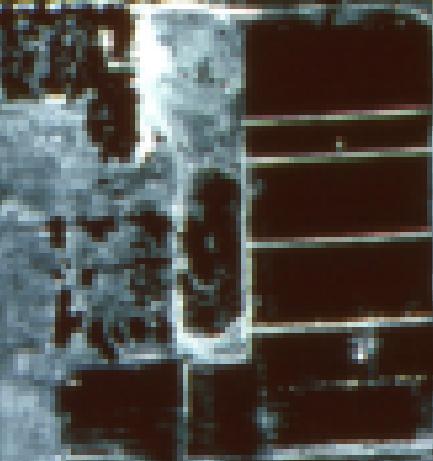
JULY 15, 1968

(THERMAL SPRAY)

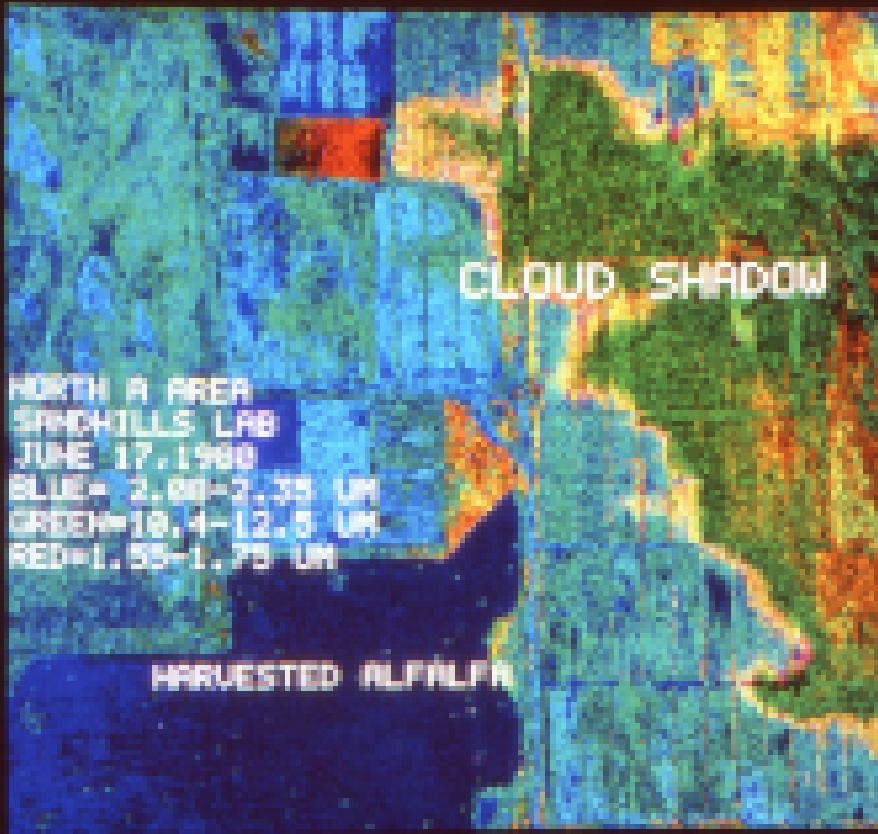
STRECH LDG

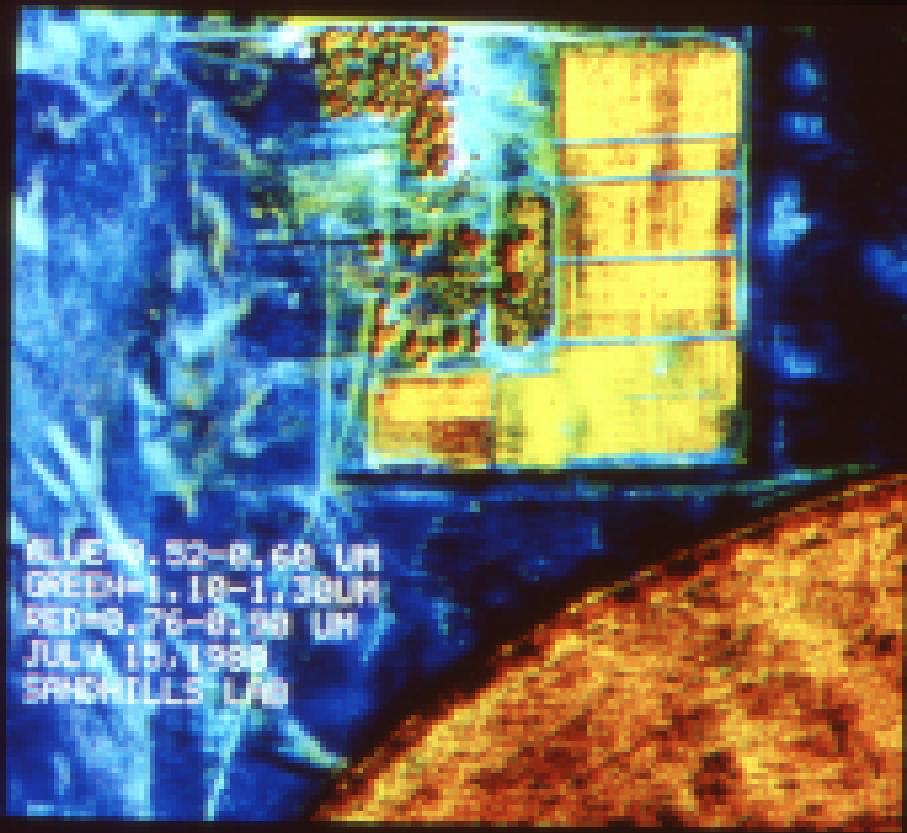


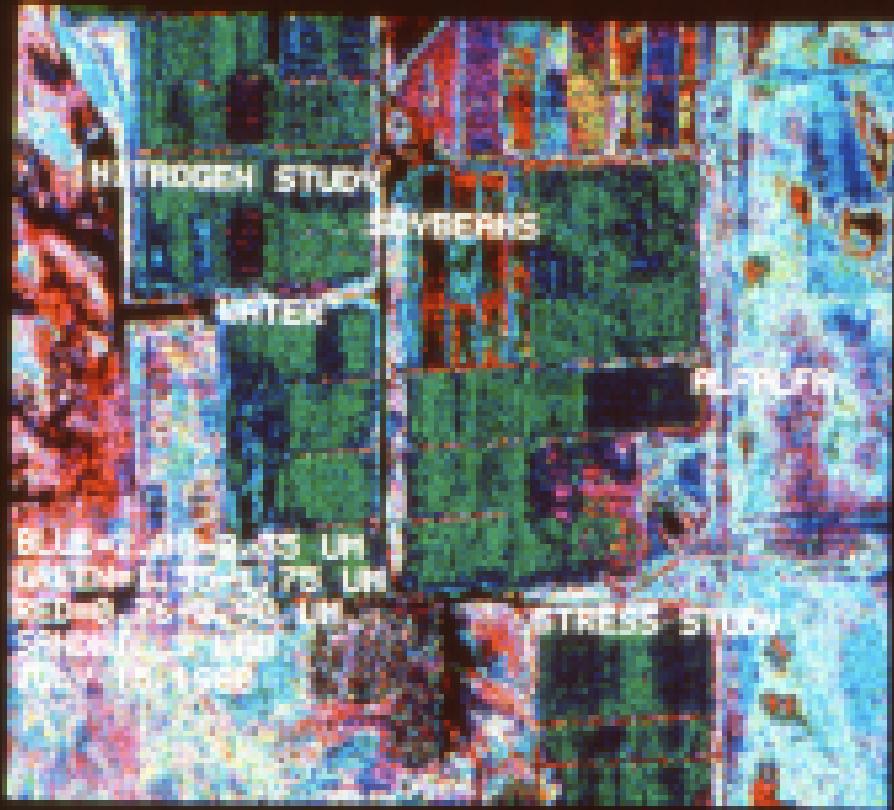
CHANNEL 1 0.52-0.62 MHZ
D AREA AND PILOT
SANDHILLS LAB
JULY 15, 1988

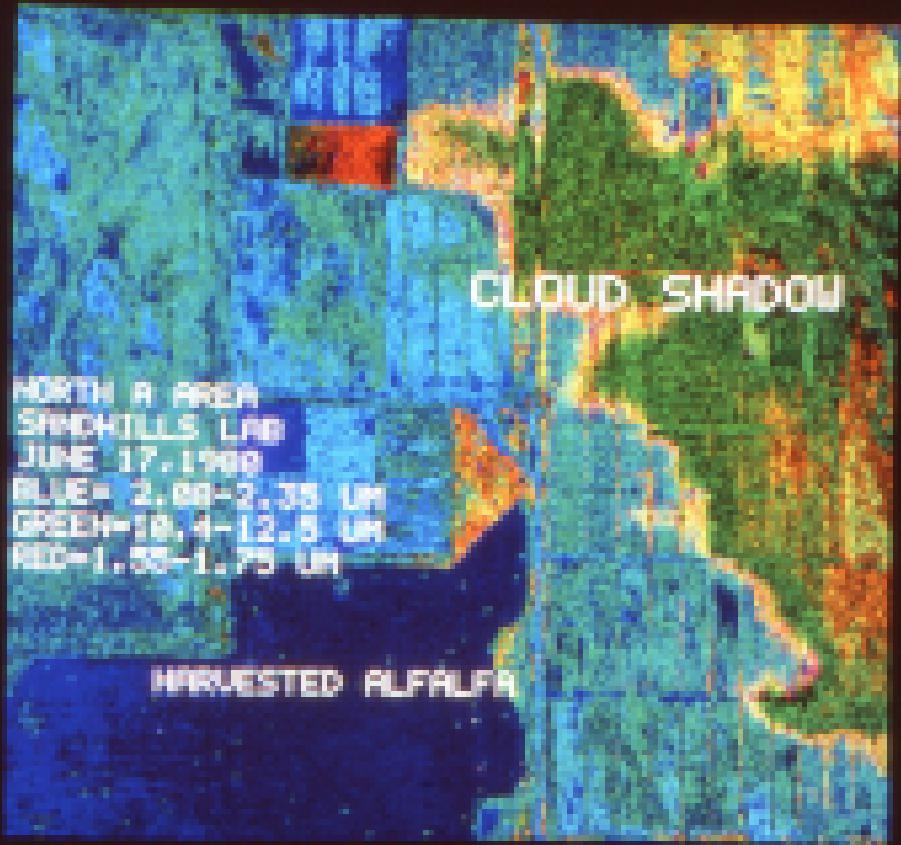


CHANNEL 2 8.63-9.67 UH
D FRED AND PILOT
SANDHILLS LAB
JULY 15, 1990



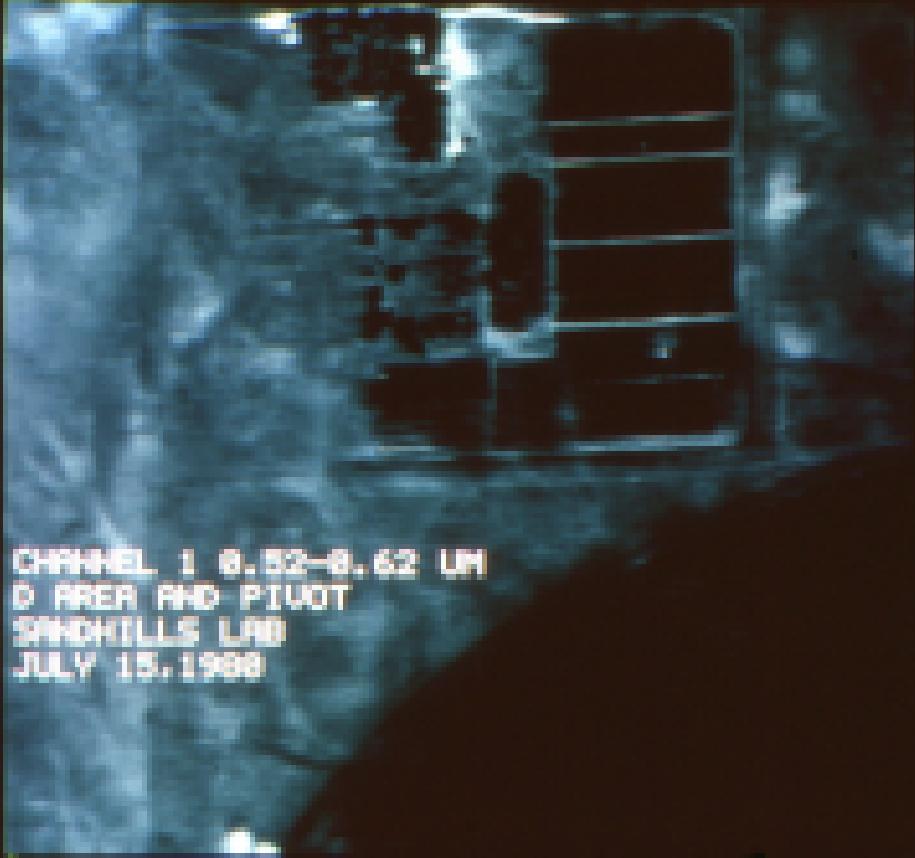






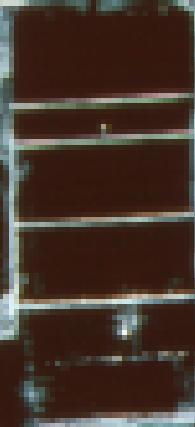
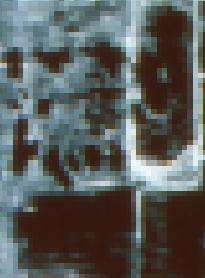


2,000-2,500 U.S.
B. HABITAT AND FLIGHT
SANDHILL CRANE
JULY 4-15, 1989



CHANNEL 1 8.52-8.62 UM
0 RER AND PIUOT
SPINDHTLLS UM
JULY 15.1988

1986



CHANNEL 2 8.63-8.67 UH
D AREA AND PIVOT
BRONCHILLS LAD
JULY 15, 1989

